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#### Senior Oracle Developer - Cendien - Oracle Experts

#### **Oracle Professional Services**

- Extensive MIS / IT history encompassing mainframe, client / server, object-oriented and web development within complex integrated environments and systems.
- An accomplished and successful IT professional with experience in: full life cycle
  programming development, project management; application and database design; systems
  analysis; systems and database optimization; systems conversion & integration; QA,
  documentation; technical support; networking; coding; testing and implementation of
  software systems.
- Functioned in private, public, government and research sectors.
- Organized and conducted classes and seminars in a variety of venues and topics from user education to computational intelligence including genetic algorithms and expert system heuristics.
- Knowledge of various operating systems, utilities, languages and hierarchical, relational and 4GL database products.
- 12+ years of experience in Oracle, Unix, C/C++, OO design, web development and related utilities.
- Hands-on Project management experience with web enabled and conventional applications, conversions, interfaces, database engineering design and optimization, package installations and development support / troubleshooting.

#### Oracle Technical Skills

#### **APPLICATIONS:**

 A/P, A/R, Agency Processing, ATM, Billing, BOM, CAD/CAM, Claims Processing, Cost Accounting, Credit Processing, Data Warehousing, Demurrage, EDI, Financials, Food Management, G/L, Graphics, Inventory Control, Leasing, Legal, LIM, Manufacturing Controls / Tracking, Media, Modeling, MRP, OCR, Order Processing, Payroll, Personnel, POS, Process Controls, Purchasing, QA, Retail, Robotics, Sales, Sales Order, Sales Tracking, Scientific Modeling, Shipping, Statistical Analysis, Supply Chain, Telecom, Telemarketing, Testing, Travel, Utilities, Warehousing, Web Applications / Interfaces / Portal

#### PLATFORMS:

- Mainframe: Burroughs, CDC, Cyber 76, DEC PDP-10/11/VAX, IBM 3X / 30XX / 43XX / AS400 / 360 / 370 / 390 / ES9000, Univac
- Client/Server: Apple, Intel, HP 1000/2000/3000/9000, IBM RS6000, PRIME 2250/2750/750/9950, SUN SOLARIS / SPARC, VAX / Micro-VAX

#### **OPERATING SYSTEMS:**

- Mainframe: DOS/VSE, OS/MVS, OS/VS2, OS/400, RTEA
- Client/Server: AIX/UNIX, HP-UX/UNIX, IMOS, Linux, MPE-V/XL, PRIMOS, SUN SOLARIS/UNIX, SCO UNIX, VAX/VMS, XENIX



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#### LANGUAGES:

- Mainframe: Assembler, C, COBOL/COBOL II, FORTRAN, SYNON, Pascal, PL/1, Natural
- Client/Server: C/C 5.1/C++, COBOL/COBOL II, DELPHI, 4th Dimension, FORTRAN, FOXPRO Basic, FOXPRO Windows, INFO-BASIC, JAVA, J++, LISP, Micro-Focus COBOL, PASCAL, PICK OS, PICK BASIC, POWERHOUSE, PROLOGUE, VAX BASIC, Visual BASIC (VBX)

#### WEB DEVELOPMENT:

 Active X Data Objects, ASP, BEA Weblogic, Cold Fusion, CFML, HTML, IBM WEBSPHERE, J2EE, JAVA, JAVA Scripting, J++, OAGIS, PERL, Windows SDK, XML

#### DATABASE:

ACCESS, Advanced Revelation (PICK), Business Objects, COGNOS, Crystal Pro, DB/2, DBASE, DEC DOCUMENT, 4th DIMENSION (4D), FOXPRO, IMAGE, IMS DB/DC, INFORMATION, INFORM/PERFORM, INFORMIX, INGRES, Multi-dimensional Storage, ORACLE 6/7/8/8i/9/9i/10g/11i, PICK OS, PLSQL, POWERBUILDER, Power Designer, Transact 3000, POWERHOUSE, PRECISE, PRIME INFORMATION (PICK), RDB, REVELATION, RIM, RMS, SQL, Sybase, TOAD, VSAM, XML

#### **COMMUNICATIONS:**

• 3-COM, ALC, ANS, ARCNET, ATM, BSC, CYBERNET, ETHERNET, Greenleaf, NOVELL, SDLC, SNA, TOKEN RING, MTS / COM

#### MAINFRAME SUPPORT:

 BMS, CICS (COMMAND), CLIST, CMS, DEC CMS, EXPEDITER, File Aid, GRASP, HASP, ICCF, IDCAMS, IMS/DC, INTERTEST, LIBRARIAN, MSF, PanValet, REXX, SDF, SUPRTOOL, TCAM, TSO/SPF

#### OTHER:

 CA-7, EASYTRIEVE, LSE, MIDAS, NCR POS, OMNIDEX, QUAD, Teleport 2, VIEW, V-SOFT, SPSS

## Oracle Clients / Experience

## **Technology Client**

#### **Senior IT Architect**

- Architect solutions for various IBM global clientele to support migration efforts from platforms, legacy software and systems.
- Support pre-sales efforts in the design and review of systems and applications
- Be a SPOC (single point of contact) for architectural issues and information to the IBM community of GBS consultants.
- Migration engineer / architect for a Reuters project to migrate a Line Handler and Market Rules application from VAX VMS and Pascal to Windows 2003.Net / C++ architecture as



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well as apply multiple upgrades and enhancements to complement services and features deliver to subscription clients.

ENVIRONMENT: HP Open VMS, Windows 2003.NET, IBM AIX p-series, C++, Pascal, UDP, WinCVS, Oracle 12q, Erwin

# **Telecommunications Client Global Solutions Applications Architect**

- One of four worldwide architects to oversee all corporate applications' design and function.
- Oversee a team of functional designers and solution engineers.
- Develop and maintain global applications architecture complying with A&E Governance standards.
- · Revise and redefine architecture for best practice and optimal solution for the business.
- Presentation of models, business requirements, solutions and architectural elements to customers and Motorola management.
- Analysis and rework of deployment landscapes, design templates, SDLC architectures, customization requirements.
- SPOC for level 3 applications related matters
- Strategic and tactical planning while making critical decisions regarding adoption, deployment and documentation of critical processes and applications.

ENVIRONMENT: Sun Solaris UNIX, AIX Unix, Oracle 9i/10g/11i, Oracle OAS, J2EE, PL/SQL, SQL-Plus, Manugistics Collaborate, I2 Demand Planner, E2Open, Data warehousing, Erwin Case Tools, Rational Clear Case /Quest ECM, C/C++, TOAD, FTP, DB Artisan, Expert, various project tracking and modeling tools, CMMI / ITIL

#### **Aerospace Client**

## Project Manager and Senior Design Analyst / DBA

- Technical Project Manager and senior designer of an FAA / EASA airworthiness compliance system to track and identify compliance with PMA, DDA, TSO, DSA, TC, STC BASA, EAN and BIS operational constraints.
- Developed Application and Database designs and detailed application specifications to complete and implement the system.
- Developed applications, QA procedures, testing protocols, and lead several other developers in efforts to develop and test the applications.
- Management and oversight of the development and implementation team.

ENVIRONMENT: Sun Solaris UNIX, AIX Unix, Oracle 9i, Oracle 10g, Oracle Case, PL/SQL, SQL-Plus, Data warehousing, PVCS ECM, C/C++, .NET, XML, HTML, Struts, Oracle Forms / Reports

**Utilities Client** 

Senior Data Analyst / ETL Consultant



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- ETL consultant in the conversion/implementation of Indus Passport Suite migration from R8.1 to R10.2.
- Data conversion specialist responsible for designing unload & load processes to export over 1200 tables between six DB2/UDB instances.
- Lead conversion data analyst in porting new DB2 instances to Oracle 9i for reporting and data modeling.

ENVIRONMENT: IBM ES9000 OS/MVS, Sun Solaris UNIX, AIX Unix, DB/2, Oracle 9i, Oracle Case, TOAD, PL/SQL, SQL-Plus, Data warehousing, PVCS ECM, COBOL II, OS/JCL, CDB, IBM Utilities, TSO/SPF, File-Aid, Platinum

#### **Utilities Client**

## **Project Manager and Senior Analyst / DBA**

- Redesign and implement extensive modifications to a Manugistics MRP, Inventory and Replenishment system including Unix shell scripts, SQL, application interfaces and database schema/model designs.
- Design and implement conversion plans for database and applications to integrate the new Germantown subsidiary into baseline systems.
- Evaluate methods to optimize database, schema, SQL and PL/SQL across applications and multiple package steams.

ENVIRONMENT: Sun Solaris UNIX, AIX Unix, Oracle 9i, Oracle Case, PL/SQL, SQL-Plus, Data Warehousing, PVCS ECM, C/C++, .NET, Manugistics

## **Financial Client**

#### Project Manager / Database Architect / Business Analyst

- Project manager for implementation of a web-enabled accounts reconciliation application to facilitate rapid closure of financial transactions for quarterly and annual accounting periods.
- Database architect for an initiative to reengineer multiple databases across several business units. Member of the Database Review Board where we reviewed database physical models and validated them for correctness and best practices.
- Drafted database optimization standards for universal adoption using Oracle, DB2UDB and Sybase including system, database and SQL best practices and optimization techniques.
- As a DML (Manager) in charge of Common Initiatives, successfully brought several technology projects through full life-cycle development to completion.
- Designed Java and SAS applications and managed development / implementation teams through installation.

ENVIRONMENT: Sun Solaris UNIX, AIX Unix, Oracle 9i, Sybase, DB2, PL/SQL, SQL-Plus, Data warehousing, Erwin Case Tools, Rational ClearCase and ClearQuest ECM, C/C++, TOAD, FTP, DB Artisan, Java, SAS

## **Software Manufacturing Client**

Project Manager / Applications Analyst / DA / Technical Analyst



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- Managed a team to convert Store Logistics/Operations applications for compatibility with current SUN Solaris and AIX OS, Rogue Wave and ORBIX and to restructure application in preparation for distribution to potential clients.
- Organized and migrated all project documents and components into CVS repository manager.
- Developed design requirements for applications, database normalization, JCA compatibility conversion and DSD operations using DEX.
- Authored extensive documentation and training materials for intra-company use on a variety
  of topics including CVS operations, Oracle database optimization, XML DTD's, UCS / EDI
  formats for retail operations, and technology migration.

ENVIRONMENT: Sun Solaris UNIX, Oracle 8.0 / 8i / 9i / 10 / 11i, PL/SQL, Ingres, SQL-Plus, SCIMT, Data warehousing, C/C++, TOAD, FTP, Data Mapping, Oracle Expert, BEA, Active X Data Objects, ODBC, RS/6000, AIX, RoqueWave Source Pro, ORBIX, Java, Business Objects

#### **Financial Client**

## **Business Analyst / Database Architect**

- Redesigned and enhanced a cardmember billing and personal information database that was used as a repository for over 20 million cardmembers.
- Implemented an SCCS code repository and developed a set of development standards for all application development teams.

ENVIRONMENT: IBM ES9000, Microfocus Cobol, C++, Oracle 10/11i, Oracle Financials, SCCS, Select Map, FileAid, TOAD, TSO, CICS, DB2

#### **Retail Client**

## BA / DA / DBA / Application Specialist / Developer

- Optimized retailing, replenishment and distribution applications and corresponding database.
- Performed program enhancements and improvements to over 45 online and batch applications.
- Resolved numerous operational and functional issues relating to software, middleware and database problems.
- Designed and developed various interfaces and applications for client legacy systems.
- Trained staff in the effective usage and programming practices for CA Open Road.
- Implemented service level stratification which reduced inventory costs by over 4 million USD in just three months.

ENVIRONMENT: Sun Solaris UNIX, Oracle 8.4 /9/9i/10, Ingres, Data Mapping, PL/SQL, SQL-Plus, Armature, Open Road, J2EE, Websphere, EJB, C/C++, Manugistics SC, TOAD, Maestro, FTP, OS/390, TSO/SPF, FileAid, Microfocus COBOL, Cobol II, Business Objects

**Industrial Manufacturing Client** 

Senior Technical Consultant / TM / DBA / Developer



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- Managed the integration, installation, support and performance enhancement of supply-chain and POS software at client sites.
  - As an Oracle DBA, analyzed application and database performance and accomplished tuning on Oracle 8.0/8i Enterprise databases.
  - Designed and developed various interfaces and applications for legacy POS and Billing systems and Armature's suite of solutions.
  - Designed several corporate websites.
  - Designed a training curriculum and manual for teaching XML to development personnel.
  - Optimized Solaris and AIX UNIX systems, applications and databases at multiple client sites in Europe and North America.
  - Developed data-scrubbing tools using Power Builder to "clean" database tables.

ENVIRONMENT: Sun Solaris UNIX, Oracle 8.0 / 8i / 9i / 10 / 11i, PL/SQL, Ingres, SQL-Plus, Armature, Data warehousing, Open Road, C/C++, J2EE, JDBC, Applets, TOAD, Maestro, HTML, Business Objects, FTP, Data Mapping, Micro Focus COBOL, Precise, Oracle Expert, ORBIX, BEA Weblogic, IBM Websphere, JAVA, J2EE, EJB, XML, XML SPY, Active X Data Objects, OAGIS, ODBC, RS/6000, AIX, OS/390, TSO/SPF, FileAid, Cobol II, Visual Café, , Manugistics SC, Business Objects

#### **Government Client**

#### BA / DA / Architect / BI Specialist / Web-Developer

 Developed secured web portal applications for retrieval of intelligence by various military and intelligence personnel via Intellink extranet. Designed web database interfaces to common portal ODBC databases. Investigated /prototyped technology solutions to determine appropriate technology. Security Clearance Required.

ENVIRONMENT: Sun Solaris UNIX, Client-server, HTML, XML, Java Scripts, J2EE, Cold Fusion (CFML), Sybase, Oracle 9i, Ingres, Active-X Data Objects, Multi-Dimensional Database, ASP, MS Access, Java, Java Script, Power Designer, FTP, IBM Websphere, Portals, PLSQL, Data Warehousing, PI/SQL, Data Mapping, Visual J

#### **Retail Client**

#### Senior Technical Consultant / SA / TM / DBA / Developer

- Lead systems analyst for installation/interface of integrated purchasing, warehousing and SO management software.
- Performed extensive analysis of system and interface requirements, drafting specifications for new software and modifications, client interfaces, testing, QA, data validation, and issues resolution. Worked in a similar capacity for a second installation.

ENVIRONMENT: IBM OS/MVS, Cobol II, DB/2, VSAM, CA7, CICS, IBM DOS/VSE, ICCF, FTP, PL/SQL, Oracle, Ingres, COBOL, Java, J++,J2EE, C++, Expediter, Intertest, SUN Server, RS/6000, AIX UNIX, Open Logic, Shell Scripting, Visual Cafe



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#### Oil Industry Client

## Senior Designer / Developer / DA / BA / Web Developer

- For this fortune 50 oil refining and petroleum products company, I was a senior programmer, design analyst and facilitator in the design, development and implementation of applications across multiple platforms.
- Supported and enhanced a Property Tax Payment System, developed several object oriented applications using PowerBuilder, Visual Basic, Java and Java ++, developed a web-based shared survey application using HTML, Java and Cold Fusion that solicited a target user base of over 12,000 employees. Developed a website for Financial Operations Division, migrated a PAC management package from Paradox 7 to Delphi and was the millennium administrator in the testing of multiple applications requiring remediation.

ENVIRONMENT: SUN Solaris UNIX, HP Unix, Oracle, DB/2, Visual Basic (VBx), ASP, Visual FoxPro, Java, HTML, Powerbuilder, Cold Fusion, DBASE, Keep In Touch, Delphi, MS Access, Novell, Windows NT SDK, IBM OS/MVS, Cobol II, Focus, Crystal Reports, Business Objects, ADO, Web Portals, ASP. Shell Scripting, PL/SQL

#### **Retail Client**

#### Senior Design Analyst / BA / Developer / DBA

• For this "Fortune 100" market analysis company, was a programmer and senior design analyst. Implemented modifications to mainframe and networked applications. Developed mainframe PRO-C and Unix C, PL/1 and VB programs, designed Oracle shell scripts, drafted detailed program specifications and integrated test plans for mainframe to Unix applications.

ENVIRONMENT: IBM ES9000 OS/MVS, VSAM, CICS, Windows NT, NOVELL, C, C++, PL/1, Visual Basic (VBx), Oracle, Delphi, Unix Shell Script, PL/SQL

#### **Technology Client**

#### Project Manager / BA / DA / Developer

- As a senior programmer analyst, worked with and directed a development team of three. Activities included complete design, coding and testing of new applications.
- Implemented modifications to applications for clients securities, commercial credit and SWIFT operations. Developed Y2K guidelines and implementation methodologies.

ENVIRONMENT: IBM 390 OS/MVS, COBOL II, DB/2, VSAM, CICS, Expediter, C, REXX, NOVELL Netware 3.2, Visual FoxPro, Crystal Pro

#### **Financial Client**

## **BA / Application Specialist / DA / Developer**

 Designed and coded new applications for Securities Lending Division. Developed loan and credit worthiness determination applications for batch and on-line applications for their client



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ENVIRONMENT: IBM 390 OS/MVS, COBOL II, DB/2, VSAM, CICS, NOVELL 3.2, Expediter

## **Technology Client**

Technical Analyst / DA / BA / Developer

- Designed and coded performance enhancements, modifications and new applications for warehousing, purchasing and SO processing systems at client sites.
- Provided network support, installed customer product support, installed Oracle 7 and 8.
   Formulated and presented a curriculum for new user education on WCSS packages prior to installation. Developed a suggested order quantity modeling system for the warehousing and distribution of alcohol products andcreated custom WMS applications including distribution and shipping.

ENVIRONMENT: IBM 390 OS/VS, COBOL II, DB/2, VSAM, CICS, NOVELL 3.2, IRMA, RS/6000, AIX, AS/400, SYNON, OS /400, REXX, Expediter

## Oil Industry Client

DA / TA / Architect / Developer

- For a worldwide provider of petroleum refinery engineering specifications, coded a design specification system to identify vital components and plant equipment specifications to be used by engineering staff.
- Project encompassed developing 17 primary layouts, 237 procedures and 20 reports for an interactive multi-user environment.

ENVIRONMENT: Apple Power PC, 4th Dimension, 4D Client/Server, MacDraw, HTML

## **Technology Client**

DA / TA / BA / Developer

- For this developer of virtual reality software, co-designed and wrote a complete point-of-sales, IM, mission management and scheduling system for deployment to worldwide facilities.
- Applications: POS, scheduling/reservations, site management, system maintenance, statistical evaluation of performance and frequency of event windows, and management reporting. Wrote several object drivers for Red Planet, a virtual reality package that dynamically simulates VTV flight, using VRML and C++.

ENVIRONMENT: Apple Power PC, 4th Dimension, 4D Client/Server, C++, Visual C++, Sanity Check, HTML, UNIX, Sun Solaris, PL/ SQL, Active-X Data Objects, COM/DCOM, Multi-dimensional Database

**Telecommunications Client** 

**Architect / Developer** 



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• Developed a rapid data access package for field personnel to identify and trace channels, ACNAS, POPS, substations, and terminals for both fiber-optical and conventional telephone networks. Converted package to 4th Dimension for deployment to Apple users.

ENVIRONMENT: Client/Server, APPLE, ACCESS RDBMS, Visual Basic, 4th Dimension (4D)

# Pharmaceutical Client BA / DBA / Architect / Developer

- Designed, coded and implemented a project and budget tracking system for PPD / R&D pharmaceutical development.
- System models costs and activities surrounding new compound research and tracks actual research costs prior to FDA certification.
- Participated in the design of a new object-oriented client/server family of applications intended to provide interactive cost modeling and event tracking for the entire corporate R&D community.

ENVIRONMENT: IBM PC, Micro-VAX, ARTEMIS RMS, Apple Quadra/Power PC, 4D

# Labor Union Client BA / Architect / Developer

• Designed and developed management software for HR, pensions, annuities, membership, benefits, dues tracking, and accounts receivable and payable in a client/server environment.

ENVIRONMENT: NOVELL 3.2, ACCESS DBMS, Visual Basic, Windows 3.2

#### **Manufacturing Client**

#### **Application Specialist / Architect / Developer**

 Developed and converted a family of production warehouse inventory, purchasing and facilities management packages from PRIME INFORMATION to Advanced Revelation for use as PC-based applications.

ENVIRONMENT: IBM PC, DOS 5.0, Lotus Freelance, Advanced Revelation 4.0 (PICK OS)

## **Labor Union Client**

## **Application Specialist / Architect / Developer**

• Designed and developed management software for HR, pensions, annuities, membership, benefits, dues tracking, and accounts receivable and payable in a client/server environment.

ENVIRONMENT: NOVELL 3.1, FoxPro DBMS, Windows 3.1, ReFox, Workbench, Crystal Pro



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## **Engineering Client**

## Application Specialist / Architect / DBA / Developer

- For a civil-engineering firm, developed, optimized and enhanced various ORACLE applications including an engineering master drawing catalog and search system, customer accounting and billing system and month-end financials.
- Developed automated job procedures management application to assist in managing daily maintenance processing.

ENVIRONMENT: SUN SPARC, Sun UNIX, HP 9000, ORACLE 7, C, NOVELL NETWARE

#### **Digital Equipment Industry Client**

QA Specialist / BA / Application Specialist / Architect / Developer

- Coordinated integration and UAT of warehouse production tracking, IM, SO and PO management systems on VAX clusters.
- Wrote comprehensive scripted test plans.
- Evaluated and revised RDB and RMS databases.
- Wrote ad-hoc reports and on-line inquiry utilities to complement testing and data validation.
- Evaluated program integrity, reviewing for conformity to RFP requirements and design specifications.

ENVIRONMENT: DEC Vax, VMS, Cobol, RDB, RMS, Powerhouse, CMS, SQL, Dec Document

#### **Retail Client**

## **Application Specialist / Architect / Developer**

- For this major retail chain, designed, coded and tested POS, error correction, price conversion and sales reporting applications. Also, completed design prototypes of several sales audit applications for a UPC-based PLU system.
- Evaluated OS JCL PROCS for over 150 jobs and resequenced tasks within them to integrate new modules.

ENVIRONMENT: IBM ES/9000, OS/MVS, COBOL II, CICS, IMS DB, VSAM, BMS, NCR, ISPF, NCR POS, SDF, EASYTRIEVE, NCR - POS, INTERTEST

#### **Utilities Client**

#### **BA / Application Specialist / Architect / Developer**

Co-designed, coded, tested and implemented an MRP/ROUTER package. Applications
incorporated labor and material cost accounting / tracking and allocation to and from
inventory of finished goods and WIP.

ENVIRONMENT: IBM 390, OS/MVS, COBOL II, CICS, IMS DB, SDF, BMS, Datatrieve, TSO/SPF



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#### **Telecommunications Client**

## **BA / Application Specialist / Architect / Developer**

• For this international computer leasing company, designed, coded, tested and installed a lease tracking and milestone tickler system to identify significant events in the lifespan of active and expired lease contracts. It consisted of eighteen on-line applications and fourteen reports.

ENVIRONMENT: DEC VAX, VMS, VAX-Basic, Powerhouse, RMS, Ethernet

#### **Travel Industry**

#### PM / QA / Application Specialist / Architect / Developer

 For this international provider of corporate travel services, co-designed, coded, tested and implemented a complete travel expense reporting system that captured bank charge-card data and combined this with travel itinerary information to generate custom periodic reports per client requirements.

ENVIRONMENT: HP 3000, HP 9000, MPEV, MPEXL, COBOL, Powerhouse, HP IMAGE DB

#### **Transportation Industry Client**

#### QA / Application Specialist / Architect / Developer

For this domestic manufacturer of axles, wheels, suspension components and HF brake shoes
for the rail industry, designed, developed, tested and implemented an inventory control
interface to a comprehensive purchase order processing and manufacturing control system
using TRANSACT/ 3000. Also, performed a study of commercially available EDI packages,
Human Resource packages and capacity planning packages, evaluating them for compliance
with compatibility standards for the network of ABC facilities in the USA and CANADA.

ENVIRONMENT: HP 3000, TRANSACT/ 3000, COBOL, IMAGE DB, V-SOFT, VIEW, COGNOS POWERHOUSE, PowerCase, ASI Capacity Planning & Master Scheduling

#### **Optical Industry Client**

#### **BA / Application Specialist / Architect / Developer**

- For a national manufacturer of optical products, developed an on-line order entry, shipping and order tracking system.
- Duties included design of several sub-systems, coding, testing, implementation and user training for 13 on-line applications and numerous batch order update and inventory allocation / adjustment programs.

ENVIRONMENT: HP 3000, MPEXL, HP 9000, UNIX, IMAGE DB, OMNIDEX, COBOL, Powerhouse, PowerCase



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#### Manufacturing Client

#### **Application Specialist / Architect / Developer**

 Developed trading management applications for commodities trading packages used at the CBOT including purchase tracking, futures modeling, sales tracking and shipping schedules processing.

ENVIRONMENT: PRIME 2250, INFO-BASIC, PRIME Information (PICK)

### **Legal Industry Client**

## **Application Specialist / Architect / Developer**

• For a law firm in Chicago, developed some enhancement tools facilitating more effective use of the system, allowing attorneys to perform statistical reviews and composite database searches.

ENVIRONMENT: IBM Client-Server, MS-DOS 5.0, FOXBASE, ACTOR, C

#### **Financial Client**

#### **BA / DA / Application Specialist / Architect / Developer**

• Co-designed and authored a system for retail credit reporting and credit information retrieval systems. The package was a real-time on-line system that intercepted credit applications from participating retailers, translated and parsed customer information into one of five credit inquiry formats, routed and initiated an inquiry to the appropriate bureau (based on geographical location of the originating credit application), intercepted and interpreted the credit response data and either provided immediate credit approval (and set credit limits) or rejection notice to the originating locations.

ENVIRONMENT: IBM PC, NOVELL, C++, GREENLEAF, ORATOR, WINDOWS.

#### **Publishing Client**

#### TA / QA / Application Specialist / Architect / Developer

 Designed, coded and tested a complete telemarketing management system including leads tracking, client management, contracts management, employee scheduling and activity management, payroll, sales verification processing and customer contact success/failure statistics.

ENVIRONMENT: IBM PC, NOVELL, FOXPRO, ReFox

## **Financial Client**

## **BA / Application Specialist / Architect / Developer**

- Designed, coded and tested securities trading and management applications for the commercial securities desk.
- These included futures, bonds, securities and trust accounts and commercial paper.



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• Applications included on-line notification of trade transactions, accounts tracking, margin transaction verification, commissions tracking, billing and accounts receivable.

ENVIRONMENT: IBM 390 OS/MVS, COBOL, PL/I, HOGAN, Swift, EDI X.12, TSO, SDSF

#### **Retail Food Client**

BA / DBA / DA / Architect / Developer

Designed / coded software applications including: HR, AP, AR, Billing, Demurrage, Facilities
Maintenance, Work Order Entry, Freight Tracking and Rating, Shipment Tracking, GA, GL, IC,
PIC, MRP, Payroll, PM, Purchasing, PO, SO and Customer Support. New applications design
liaison for all departments during construction of a 50 million dollar plant in Summit, Illinois.

ENVIRONMENT: PRIME 2250 / 2750, INFORMATION (PICK), INFO-BASIC, HP 9000, UNIX, C, VAX, VMS, RMS, FORTRAN, COBOL, IBM 3083, COBOL, FORTRAN, VSAM, IMS

#### **Manufacturing Client**

**Application Specialist / Architect / Developer** 

 Used IEF/EDI in an AS400 environment to develop reformatted transaction documents for shipping confirmation, order entry, demurrage, and routing to both domestic and European clients.

ENVIRONMENT: IBM AS400, OS/400, COBOL, X.12 EDI

#### **Restaurant Franchise Client**

**BA / TA / Application Specialist / Architect / Developer** 

- Designed a distributive processing network for a national chain of franchised restaurants including point-of-sales (POS), income and expense reporting, inventory depletion and automatic inventory reorder, parceling, payroll, gratuities tracking, food preparation management and personnel scheduling.
- Also, developed software to perform a daily upload of flat-files to a mainframe host.

ENVIRONMENT: IBM PC, NOVELL, MICROFOCUS COBOL, C

#### **Healthcare Client**

**Application Specialist / Architect / Developer** 

 Developed interactive patient treatment history and hospital charges applications for part of a claims disbursement and patient services tracking system. The system allowed the local plan to record inpatient and outpatient charges for services and to cross-reference all charges for a treatment event to isolate duplicate billings and to evaluate consistency of treatments/tests with specified Diagnostic Requirement Groups.



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ENVIRONMENT: DEC VAX, VMS, INGRES, C, Vax Basic

#### **State Department**

#### **Application Specialist / Architect / Developer**

Designed and wrote an on-line grievance claims tracking system and batch file update
package to extract data from a mainframe system in Springfield and populate tables with
daily updates to allow mediators and legal arbitrators to track grievance processes on a caseby-case basis. Designed the table schema, all applications, all JCL and, after implementing
the system, conducted user training and orientation classes.

ENVIRONMENT: HARRIS OS/VS, NOMAD II, CMS, TSO / SPF, COBOL, IMS DB, PANVALET

#### Research / Laboratory Client

TA / BA / DA / Application Specialist / Architect / Developer

- Worked with a team to develop a test package for the TEVATRON Linear Particle accelerator.
- Project encompassed the design, development and testing PLU and LIM hardware and software to be installed on automated test stands to measure and collimate particle tracking and targeting accuracy of dipole magnets.
- Targeting accuracy was measured via weak B-field potentiometer arrays that would identify particle locations for magnet adjustment and alignment.

ENVIRONMENT: DEC VAX 11/750 cluster, FORTRAN, C, CAMAC, GPIB, PLC

#### **Healthcare Client**

## BA / DA / Application Specialist / Architect / Developer

- Project leader in the redesign of the Financial Processing Distribution System for handling inter-agency claims, government agency claims, inter-plan claims adjudication and reimbursement.
- Coordinated the redesign of the invoice, reimbursement and reconciliation procedures for processing claim batches.
- Drafted the IMS database design specifications and IPDR system consolidation and disposition reporting specifications.

ENVIRONMENT: IBM 370, OS / VS, JES2, VTAM, HIDAM, BDAM, IMS DB, COBOL, REXX TSO / SPF, EASYTRIEVE, PL / I

#### **State Department**

## **Application Specialist / Architect / Developer**

 Redesigned JCL procedures for all major applications and converted them to new PROCS compatible with the CODAP transaction processor standards used by the state.



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• Also, wrote user and technical documentation for more than 15 different systems and developed a JCL generator to simplify creation of new JCL.

ENVIRONMENT: IBM 4341, DOS / VSE, COBOL, BAL, FORTRAN, LIBRARIAN, SPSS, ICCF

### Planning Industry

## IT Manager / DA / BA / Architect / Development

- Manager of Development responsible for designing, coding and implementation of systems, supporting and regulating urban and regional planners, architects and engineers.
- Applications included financials, membership benefits processing, AP, billing, convention planning and management, cost accounting, special projects, grants management, tax-free status accounting, and publications distribution/set-up for off-site printing of periodicals.
- Organized national IT operations and defined hardware and development objectives, managed systems upgrades, and identified long-term goals.

ENVIRONMENT: NCR 8250, COBOL, ISAM

## **Engineering Client**

## **Scientific Application Specialist / Architect / Developer**

For a major nuclear reactor design engineering firm, developed a data repository
management package to facilitate rapid storage, indexing and categorization and retrieval of
specifications and technical design documents for compliance with NRC accountability
guidelines.

ENVIRONMENT: DEC PDP-10, FORTRAN, DECNET

#### **Government Client**

## DA / BA / BI Application Specialist / Architect / Developer

- For a government agency, co-designed, wrote and tested a personnel deployment system facilitating interactive access to and selection of personnel records and qualifications.
- Users could perform on-line modeling of characteristics and selection of candidates based on various criteria. The application consisted of over 20 on-line and 30 batch applications

ENVIRONMENT: DEC VAX, VMS, INGRES ESQL, C, MICROFOCUS COBOL

#### **Software Industry Client**

## **BA / Project Leader / Programmer Analyst**

- Evaluating a real-time interactive modeling system for clients in the nuclear power industry.
- Designing, coding and testing a comprehensive modeling management framework system and report generator.
- Developing new database designs reflecting applications' requirements.



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- Developing interface drivers for network interface software.
- Converting a complete modeling package from an SDS 940 to a PRIME 750.
- Converting a complete set of modeling applications from PRIME / INFORMATION / INFO-BASIC to IBM mainframe / OS/VS / COBOL / IMS.

ENVIRONMENT: PRIME 750, INFO-BASIC, INFORMATION (PICK), IBM 370, COBOL, IMS DB

### **Consulting Client**

#### **Consultant / Developer**

- Converted programs from RPG to COBOL and applications database calls from TOTAL 4 to TOTAL 7 DBMS for KATY Industries, Elgin, Illinois.
- Developed an OS/JCL management system for Beatrice Foods and then documented all applications.
- Coded and tested a bordereau, claims processing, disbursements and income reporting system for National Accident Insurance Underwriters.

#### **Financial Client**

#### **Project Leader / Programmer Analyst**

- Programmed and debugged applications including interest accrual, loan amortization and installment payment processing.
- Supervised operations for an IBM 370/145 DOS/VSE environment during the evening.

ENVIRONMENT: IBM 370, OS / VM2, COBOL, BAL, LIBRARIAN, ICCF, WYLBUR

## Manufacturing Client

#### DA / BA / SA / Developer

- For A.N.L. and NIPC, designed/coded software and databases to collect data from scanners. System scanned and interpreted printed, photographic and cartographic U.S.G.S and Department of the Interior materials to study land-usage and soil-type information.
- Developed an OCR routine to identify alphanumeric characters and discriminate between them and topological data.

ENVIRONMENT: DEC PDP-10, FORTRAN, PASCAL, COBOL

## University / Government Client

Scientific Systems Analyst / Developer

Developed a package to interpret real-time photometric and spectrographic data, integrating
the data with other comprehensive stellar classification and cataloging systems allowing the
user to selectively redisplay the data after mapping it into any of six orthographic stellar
coordinate systems.



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ENVIRONMENT: PDP-10, CDC 6800, FORTRAN

#### **Financial Client**

Manager / DA / BA / FA / OP Specialist

- Assistant DDA operations manager and managed a staff of four operators.
- Developed systems documentation and organized operations schedules.
- Participated in a team effort to develop a DDA package for Continental Bank and IBM Corporation called C.P.C.S. that has become a standard in bank DDA processing.
- Developed a management reporting system for generating departmental financial and personnel performance reports on demand.

ENVIRONMENT: IBM mainframe, DOS/VSE, OS/VS2, COBOL, DEC PDP-10, FORTRAN

#### **Oracle Education / Certifications**

MAJOR: ASTRONOMY / MATHEMATICS / PHYSICS



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