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Professional Summary

Over twenty years experience in software engineering, applications development, computer and network operations, using a wide variety of computing platforms, techniques and technologies, Technical management of departments as small as two and as large as seven..

Ten years experience with Java technology, including, Sun Certified Programmer for Java 2 Platform (1.4), Sun Certified Web Component Developer for J2EE, JDBC (including driver internals), Applet, Servlet, JSP and Swing APIs, Authored an article recently published in Java Developer's Journal.

Technical Skills

Operating systems: Fluent in Windows, Linux, UNIX, and IBM mainframe environments.

Languages : Java, HTML, JavaScript, XML technologies, COBOL, FORTH, Pascal, REXX, System/370 Assembler, PL/1, APL, FORTRAN, Familiar with C/C++, Visual Basic.

DBMS: Oracle, SQL Server, PostgreSQL, DB/2, Sybase, Progress, MySQL.

Servers and tools: Apache HTTPD, BEA Weblogic, Tomcat, Resin, Microsoft IIS and Index Server, Ant, CVS, Subversion, jEdit, IntelliJ IDEA.

Employment History

System Research and Development Engineer

Andesa Services

January 2006–present

Achievements:

- Designed and implemented a J2EE web-based operator console facility for a large-scale clustered computing environment, using Servlets, JSTL and EL

Software Engineer

GSI Commerce (as contractor thru Spherion/Galaxy)

August 2005–December 2005

Achievements:

- New development and issue resolution on large Struts-based J2EE e-commerce applications in a massive Weblogic server environment.
- Identification and remediation of Oracle JDBC performance issues, including development of software tools for diagnosis.

Independent professional practice

self

May 2001–July 2005

Achievements:

- Designed and implemented an application data model and Swing-based user interface for TinyNet (a wireless sensor network) under contract to Embedded Research Solutions (<http://embedded-zone.com/>)
- Obtained Sun Microsystems certifications in Java programming and J2EE Web Components.
- Wrote an article published in Java Developers Journal.
- Created two open-source software projects, JHamTune, (a radio station automation system- <http://jhamtune.dev.java.net>) and ManagedRunnable, (a JMX MBean to control processes- <http://managedrunnable.dev.java.net>)
- Various small independent consulting engagements on web-based applications

Product Support Operations Manager

Merant/Micro Focus (programming software tools vendor)

1997–2001

Achievements:

- Technical liaison and support for OEM customer developers using Merant DataDirect database middleware/driver

- products, requiring developer-level knowledge of Oracle, SQL Server, IBM DB/2, Sybase, Informix, and Progress DBMS Windows NT, Linux, UNIX, and IBM mainframe and midrange platforms, Java/JDBC and XML technologies
- Designed, implemented and supported an intranet database application for Micro Focus customer technical contact management and product technical knowledge base using SQL Server, Microsoft Index Server and IIS on Windows NT servers, server-side programming on IIS using REXX, Java Servlets and ISAPI/IDC, client-side Java applets, HTML and JavaScript, and an HTTP-based telephony interface integrating the PBX telephone switch and voice-response systems
 - Designed and implemented a large-scale automated call distribution application for managing customer support calls across two telephone switches
 - Designed and developed a voice-response application to route and load-balance customer technical support calls, integrated with an AS/400 call tracking application backend
 - Supervised two engineers on the above projects as direct reports

Product Support Engineer

Merant/Micro Focus
1994–1997

Achievements:

- Provided technical support to software using Micro Focus PC programming tools and mainframe emulation products
- Completed training for Certified Netware Engineer, and was also certified as a Microsoft Product Specialist
- Prepared and presented training in internet technology for technical and non-technical staff
- Wrote a series of briefing articles for the company's customer bulletin on Internet technology

Manager, Technical Services

Aon Corporation/NVIP (insurance and related services)
1990–1993

Achievements:

- Managed a department of seven systems programmers supporting a large VTAM/CICS network
- Responsible for a \$1.5 million annual departmental budget, including administration of software licensing and contracts
- Managed departmental support of two major data center consolidations
- Supervised design and live testing of off-site disaster recovery plan
- Developed a Windows-based network event monitoring system

Supervisor, Systems Programming

Aon Corporation/NVIP
1986–1990

Achievements:

- Supervised a department of two systems programmers supporting service bureau billing, operations and production control automation software
- Interfaced PC graphics workstations and image scanners to support high-speed web-fed IBM laser printing systems, including developing image format-conversion software
- Applications design and support for a networked UNIX document image processing system, including a robotic optical disk image archive and workflow scripting software

Lead and Senior Systems Programmer

Aon Corporation/NVIP
1981–1986

Achievements:

- Installed and administered a system for automatic PC data backup to mainframe system
- Performed systems programming and user support for service bureau customers
- Led a project team of three systems programmers in two release-level operating system migration projects
- Designed applications using IBM DB/2 and SQL/DS DBMS
- Designed and implemented custom router software and mainframe operating system modifications to meet requirements for a services contract for the Defense Department
- Provided systems programming and planning for customers using our disaster recovery services
- Designed and implemented a software usage billing application
- Maintained and enhanced communications protocol conversion software
- Interfaced IBM/PC and Osborne/I microcomputers to mainframes
- Taught internal classes in PC/mainframe interfacing and PC internal architecture to staff
- Installed and maintained programming tools and support issue tracking systems
- Diagnosed and maintained mainframe operating system software
- Responsible for programming and problem determination for word processor and distributed document management network

Details of the first ten years of my career in mainframe applications development in the banking and pharmaceutical industries are available on request.

Publications

- "What's New Is Old Again". *Java Developer's Journal*. July 2004.
- "Putting PMRC on the Map". *The PMRC Blurb* (<http://www.phil-mont.org/PMRCmap/PMRCOnTheMap.html>). March 2004.
- "The World-Wide Web and You". *Micro Focus Customer Bulletin*. December 1995.
- *IBM Advanced Function Printing for Application Developers*. Aon Information Services (internal). 1989.

Interests

- Aviation. FAA Airman's Certificate (Private Pilot: Airplane, single-engine, about 400 hours pilot time)
- Amateur Radio. FCC Amateur Radio License (Amateur Extra class: K3XS). Active in experimentation with amateur radio satellite, space and aeronautical mobile communications, and digital radio transmission modes and software radio control