Bennett C. Baker

B::Ware

OVERALL SUMMARY

Graduate of MIT.

Co-developer of several patents.

Over 25 years of experience in software development, from deep engine code to user interfaces, with a wide variety of languages, operating systems, and technologies.

Looking for challenging development work in an intellectually stimulating environment.

SKILLS SUMMARY

Management and Leadership Skills

- Managed a team of in-house developers and external consultants to bring up an e-commerce facility from scratch in 3 months, and then managed the newly-build IT infrastructure with a small in-house team.

- Built the development team for a startup using Domino and J2EE in it's product line, and managed that team.

Technologies

- J2EE: Helped to design a product which integrates a full J2EE stack (servlets, JSP, EJBs) with the security and services infrastructure provided by the Lotus Domino system and by WebSphere. Participated in the implementation of a large-scale petrochemical storage and transport scheduling application using Tomcat and WebSphere J2EE engines and Hibernate and Struts technologies.

- General Client-Server architectures: Extensive experience developing and extending client-server architecture of a group scheduling product. Developed several web-based client-server applications.

- System Administration: Prior experience deploying and managing Solaris-based ERP systems and Windows NT-based CRM systems, and with managing the IT infrastructure for a web-based retail establishment. Also ongoing experience managing Linux-based SOHO and WAN servers.

- Databases: Experienced with JDBC-based integration to Oracle and SQL Server systems, and with Oracle and Microsoft tools for database management. Also experienced with various open-source databases such as MySQL and PostgreSQL, and the tools used to manage them.

- GUIs: Extensive experience with Windows, Macintosh, and OS/2 Presentation Manager APIs. Familiar with the Java Swing, GTK and QT APIs.

- Networking and Telecommunications: Extensive experience with TCP/IP, IPX, and Ethernet, as well as with ISDN protocol stacks and T1/E1 protocols. Familiar with Token Ring, ATM, Frame Relay.

- Device drivers: Extensive experience with real-mode x86 device drivers. Familiar with protected-mode device drivers.

- Embedded systems: Extensive experience with several different embedded OS's and multiple chip families.

Languages

- Extensive experience with high-level languages Java, C++, C, Perl, PHP, JavaScript, various SQL dialects, and shell scripting in Unix/Linux, Windows, and DOS environments.

- Java experience includes extensive experience working with the Eclipse IDE and the jUnit, Struts, and Hibernate frameworks, as well as some experience with RMI, JMS, JMX, and other extensions.

- Some experience with Python, Visual Basic, WinBatch, Smalltalk, Basic, Fortran, Pascal, and PL/1, and with assembly language on the PowerPC family.

- Extensive experience with assembly languages for the 80x86, 320C30, 320C25, 8080/8085/Z80, 6502, and 8051 families.

Operating Systems

- Extensive development experience with Linux, Windows (3.x through XP), Mac OS (pre-X), OS/2, DOS, Netware 3.x/4.x, CP/M, and several embedded operating systems.

- Extensive user experience with above systems plus Mac OS X, Solaris 2.6, other Unix flavors, VMS, and Multics.

Hardware Design

- Extensive experience with the 8-bit families listed above.

- Experienced with emulators, logic analyzers, and other hardware development tools.

- Many years of experience working as a liaison between "pure" hardware and software engineering divisions.

- Experienced with schematic capture and PCB layout tools for personal hardware designs.

AWARDS and PATENTS

1987 PC Magazine Product of the Year Award for EMS 4.0.

U.S. Patent #5280481 for "Local area network transmission emulator"

U.S. Patent #5321694 for "Method and apparatus for reducing the transmission of repetitive broadcast datagrams over communications links"

U.S. Patent #5323388 for "Local area network transmission emulator"

U.S. Patent #5539745 for "Method and apparatus for reducing the transmission of repetitive broadcast datagrams over communication links".

U.S. Patent #5577033 for "Local area network transmission emulator"

CONTACT INFORMATION

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