Lou Porreca
Software Engineer

Malvern, PA - Email me on Indeed:

WORK EXPERIENCE

Software Engineer
SunGard Financial Systems - February 2007 to December 2012

Worked on conversion of Sierra Treasury Management components to J2EE/browser-based system. Developed enterprise java beans for database access using Hibernate annotations, processor modules to handle business logic, JSP/Controller modules to handle user interface. Used Java, JavaScript/JQuery, Hibernate/Java Query Language, MVC, JUnit.
• Enhanced, maintained software components (business logic, reports, database access, SWIFT interface, user interface) of Sierra Treasury Management front office and back office systems using C, SQL, Sybase, Oracle, Solaris. Changes driven by customer enhancement requests, problem reports.
• Member of the database technical group; tasks include: reviewing any changes to Sierra database objects or static data content, certifying third party ODBC drivers used for access to Sybase, Oracle, interface with software release group.

Software Engineer, Lead Software Engineer
CyberSoft, Conshocken, PA - November 2003 to January 2007

Enhanced and maintained components of a computer security/virus detection software toolkit for Unix servers. The toolkit components written in C, C++, shell script.
• Enhanced and maintained Linux software product for filtering email for computer viruses and spam. The software components written in C, shell script, Perl, integrated with Sendmail.
• Implemented a test suite to improve the quality of virus and spam signatures, resulting in a better detection rate, a drop in the occurrence of false positive and increased throughput.
• Created and executed system tests (function, user interface, load, performance, exception) for the computer security toolkit and email filtering software.
• Packaged and maintained multiple releases of the computer security, email filtering products.
• Led project to design a server to automate the collection, cataloging, and analysis of computer virus samples, and the testing and distribution of virus signatures.
• Investigated alternative scan engines for computer virus detection and emulation software to simulate execution of infected software.
• Managed software engineers, data analysts, and system administrator.
• Took customer support calls, diagnosed and resolved reported problems.

Technical Lead, Manager - Unix Product Development
Tangram Enterprise Solutions/Rabbit Software - July 1996 to November 2002

Member of a cross-functional corporate team chartered to define and design Asset Insight, a cross-platform software product for managing the hardware and software assets of desktops and servers on a corporate network.
• Led development of the Unix-based components and several web-based components of Asset Insight. Ported to Solaris, Linux, AIX, HPUX, Tru64, using: C/C++, Java, shell scripts, Motif, Oracle OCI, SQL, Apache, tomcat, JSPs, servlets, CORBA-based middleware.
• Worked with QA to formulate test plans from system specifications.

• Developed the SQL scripts for initializing the Asset Insight database control tables, the Oracle applications to load asset data into the database, and maintained server components, including sockets-based agents.
• Received commendations for responsiveness in addressing/resolving customer support issues.

Technical Lead
Tangram Enterprise Solutions/Rabbit Software   -   Malvern, PA - April 1985 to November 2002

Malvern, PA
April 1985 - November 2002
Tangram marketed software products for managing desktop and server systems over an enterprise network. These products utilize client/server architecture and Web-based technologies and run across multiple operating system platforms.
• Responsible for the development of the Unix/Linux-based components from requirements through delivery and provided maintenance for the product releases.
• Wrote, reviewed system function and technical design specifications, coded and tested software components and component updates, provided customer technical support.
• Worked with remote teams to plan and execute system integration tests. Set up and configured required test beds on multiple Unix servers.
• Evaluated and recommended third party development tools and software components for product integration.

Project Lead, Developer
Tangram Enterprise Solutions/Rabbit Software - September 1993 to July 1996

Led development of AM:PM for Unix software for unattended distribution and installation of software packages to MS Windows desktops and Unix servers utilizing multiple network protocols.
• Reverse engineered from AM:PM message protocol from IBM mainframe version.
• Coded and tested file transfer components and TCP/IP and SNA APPC interface modules.
• Successfully migrated customers from mainframe version to Unix AM:PM. Assisted with technical presentations, product demonstrations, and customization.
• Ported software to Sun Solaris, IBM AIX, HPUX, made multiple major releases.

System Architect
Tangram Enterprise Solutions/Rabbit Software - November 1991 to September 1993

Architect of a Unix-based, enterprise network gateway product that enabled LAN-connected desktops, servers access to IBM mainframe applications and managed by SNMP and IBM management tools.
• Compiled system requirements, generated system design, coordinated system integration tasks.
• Led development of the gateway configuration and management utilities and interface to SNMP.
• Composed and executed quality assurance test plans for system components and integration of third party software. Performed beta test at customer sites.

Project Lead, Developer
Tangram Enterprise Solutions/Rabbit Software - April 1985 to October 1991

Led development of shrink-wrap connectivity products (terminal emulation, batch transfer, API) on Intel-based UNIX workstations. Provided technical support over multiple releases.
• Maintained MS Windows client of LAN-based terminal gateway product.
• Led development and verification of source code packages for IBM SNA network components. Packages ported to third party Unix systems. Provided technical support through customer acceptance.
• Assisted with composing porting guides, test plans. Developed, presented customer training classes.

Lead Developer
SNA Interfaces - September 1983 to April 1985

Fall, 1983 - April, 1985
• Investigated distributed application architectures for message handling, document interchange as input to planning development of networked services. Served on office systems architecture task force.

Lead Developer, SNA Interfaces
Fall, 1979 - Fall, 1983

Technical Staff
Burroughs Corporation   -   Devon, PA   -   December 1973 to April 1985

Technical expert
IBM Network Architecture   -   September 1979 to September 1983

IBM product emulation for Burroughs.
• Designed, developed software components that connected Burroughs systems as terminals, host systems to IBM SNA networks.
• Developed, beta tested programmable branch controller software for Bank of America pilot project.
• Requirements, design of software for batch transfer with SNA hosts for the Federal Reserve Bank.

Programmer
IBM   -   December 1973 to September 1979

1973 - Fall, 1979
• Developed, maintained terminal emulation, batch transfer componnets for IBM, Burroughs networks.
• Enhanced, maintained compilers for internal product development.
• Developed text validation and statistic reporting modules for a Store and Forward Message Switch.

EDUCATION

Java Programming Course
Pennsylvania State University
2010

Computer Science Grad Courses
Villanova University
1975 to 1979

BS in Mathematics
Drexel University
1973

ADDITIONAL INFORMATION

Proven ability to:
• Design, develop, maintain, and support software products;
• Plan and execute software test cycles;
• Respond to software product issues in a timely fashion.
Key strengths include technical design skills, problem solving, learning and maintaining existing code, programming skills: Java, JavaScript, C, SQL on Unix and Linux systems, J2EE/EJB experience, and excellent written and verbal communication skills.

Involvement in software projects as a developer, tester, and technical lead. Experience with SCRUM development framework. Have demonstrated the ability to enhance and maintain software products over multiple releases.

Experience with compiling requirements, writing and reviewing function and design specifications, software packaging, evaluating third party software components and tools.

Technology: J2EE/EJB, Hibernate, JBoss, JSP, JUnit, Oracle, Sybase, ODBC.

Languages: C, Java, SQL, JQL, JavaScript/JQuery, Shell script

Methodologies, Tools: SCRUM, SDLC, Eclipse, dbVis.

Operating systems: Solaris, Linux, AIX, HPUX.

Networking: TCP/IP, SNMP, IBM SNA