John G. Lussmyer

Greenbank, WA 98253
Home: (360) 222-3068   Cell: (360) 643-3541

Email: JohnLussmyer@CasaDelGato.Com
http://www.linkedin.com/in/johnlussmyer

Summary

Software Engineer with 25 years experience writing applications in various languages. Experience with all aspects of bringing a large application program from concept to completion. Design and testing of computer hardware as well as writing drivers and micro-controller applications. Specialize in writing, modular, maintainable, well documented code. Experienced in start-ups to Fortune 50. Focused, results-driven and highly productive, troubleshooter.

- Design, Development, and Implementation
- Digital Logic Design
- Innovative
- Analysis and Refactoring of existing applications

Software, Languages, Tools

Languages:	Java Javascript	C	C++	REXX	Intel Assembly
Tools:	JUnit Perforce	Ant	Eclipse	SVN	Cruise Control
	Extreme Planner	Maven	AJAX	Comet	RESTful API
	Android	Swing			
Processes:	Test Driven Development		Scrum	Agile	
Skills:	Multi Threaded Code		PDF	Performance Analysis	

Professional Experience

ABCLegal Inc.   2010

Senior Software Engineer
Technologies: Java, XML, Spring, iBatis, Scrum, Agilefant, JSON, JUnit, Postgres, SVN
Document Tracking system for Process Serving.

- Implementing Document Tracking system using Java/Swing for new in-house application, uses Spring/iBatis with a Postgres server platform.

Myrio Corporation/Nokia Siemens Networks   2004 to 2009

Senior Software Engineer
Technologies: Java, C, Javascript, Perforce, Agile, Scrum, Extreme Planner
IPTV client Software Development for industry leading IPTV supplier.

- Designed and Implemented a String management system used when parsing multi-megabyte text data files for the Set Top Box, greatly reducing memory usage and fragmentation. This allowed the STB to parse the large data files without crashing, or causing long delays for the end user.
- Designed and Implemented a new system for delivering the Guide Data to a Set Top Box that reduced bandwidth usage, memory consumption, and processor requirements. Improved response time and memory usage for new STB client.
- Added DVBT support to existing STB client, resulting in a seamless DVBT/IPTV experience for the end user.
- Customer problem/bug analysis and fixing when field service team couldn't do it fast enough.
- Updated client code to handle changing IP address without interrupting user experience.

ScenicSoft Inc/Creo Inc, Lynnwood, WA   1996 to 2004

Senior Software Engineer
Technologies: Java, C, PDF, Agile, Multi-Threading, Ant

Working on the Pandora project. This is an application that is used to create the printing press layouts for boxes, labels, and specialized packaging materials. 99% of the application is in Java, with a small number of JNI called C modules.

- Designed and Implemented the "Smart Marks" feature that became a Major release item.
- Designed/Implemented an in-memory compressed image handling system that reduced memory usage by up to 98%.
- Implemented a PDF reading/writing system that allowed working with dozens of multi-hundred megabyte PDF files simultaneously without causing unacceptable delays for the user.
- Handled merging dozens of different PDF files into a single output file while preventing conflicts with fonts, colors, and transformation.
- Designed and Implemented a general Plugin handling system that was used for adding major new features.

ImageTech Corporation, Southfield, MI   1988 to 1996

Senior Software Engineer
Technologies: C, Multi-Threading, SQL, REXX

One of several developers that designed, wrote, debugged, and maintained an Image Database application that ran under Microsoft Windows. Responsibilities included the Database interfacing, multi-user access management, image file storage system, scanner and printer interfacing, and the build and source control tools. Implemented an extensive set of build tools so that the developers only needed to have the source files they were currently modifying on their own system.

- Implemented an Object Oriented database interface (in C) that allowed us to provide alternate database implementations as DLL's.
- Created a Script interface that used the REXX language to automate complex data acquisition tasks.
- Implemented a product serialization protection system that allowed us to ship just 1 executable and enable/disable features as needed for each customer.
- Modified system so that customers could have a "Private Label" version of our product just by providing a small set of messages and images. Resulted in private labeling being a high profit margin feature.
- Wrote a Scanner driver that could drive the scanner at about 120% rated speed.

Ovonic Imaging Systems, Troy, MI   1987 to 1988

Software Engineer

Wrote drivers for various kinds of specialized hardware cards. This included working directly with the hardware engineers debugging, fixing, and modifying the hardware.

- Implemented a generic EMS driver that worked with multiple manufacturers memory cards.
- While writing drivers for a scanner being designed, was able to find hardware design problems before the interface went into production.
- Wrote a driver to print images to a HP LaserJet engine for high speed image printing.

International Business Machines, Kingston, NY   1984 to 1987

Programmer

Education

Bachelor of Science in Computer Science; Michigan Technological University,
Completed 3 years towards Computer Engineering degree; Michigan Technological University.