

JOHN PLOCHER

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Solaris Software Engineer
Open Source Contributor
Embedded Systems Designer

- Senior software architect and engineer with a passion for UNIX systems-level architecture, open source development, process design and model train electronics.
- Worked directly for senior executives on key corporate programs, led architectural governance efforts, mentored development teams on a global basis, evangelized developers and stakeholders to build cross-company strategy efforts, managed development teams and created tools to support knowledge sharing and product development risk assessment.
- OpenSolaris Governing Board Vice-Chair

Work History

SUN MICROSYSTEMS, Menlo Park, California

1997 - 2008

Staff Engineer, Systems Architecture Processes

Systems and software architect, development process expert, tools and database developer, webmaster, mentor and Six Sigma Process Certified Greenbelt. Guided systems development processes and architectural review committees staffed by ~200 engineers worldwide that were used by hundreds of project teams as they developed almost a thousand projects per year.

Led the effort to open source Sun's architectural review process by **developing consensus** among executives, **forming** the OpenSolaris Architecture Community, **creating processes, documentation and tools** to publish technical details and artifacts from thousands of historical ARC Reviews and **evangelizing** systems architecture, best practices and processes.

- **Chaired** the Layered Software Architectural governance committee comprised of senior staff from across the company and around the world.
- **Founded** OpenSolaris Architecture Community.
- **Developed** scripts, database applications and web dashboards for Solaris project management, ARC process maintenance and long term trend analysis.
- **Reduced** Solaris consolidation/project tracking team effort from a 1-week per-person cycle time to less than 30 minutes by developing a targeted PHP/MySQL application.

BIGBOOK, INC, San Francisco, California

1995 - 1997

Technical co-founder, Internet Business Directory start-up

- **Grew a team** of a dozen engineers who developed e-commerce applications and associated IT/web infrastructure for one of the world's leading Internet Business Directory services.

SUN MICROSYSTEMS, Mountain View, California

1989 - 1995

Project Lead, Networking and Window Systems groups

- **Developed, integrated and sustained** network-related software in Solaris, including Netscape's web technology (browsers and servers), Netra-i, SPARCcluster & HA Database Cluster products and Sun's Firewall-1 security product.
- **Researched and wrote** "[Project DOE C++ Programming Style Guide \(with rationale\)](#)", subsequently adopted by HP, became the core of the OMG's IDL style guide, and was used when developing the Java coding style guidelines.

Related Activities

OPENSOLARIS COMMUNITY, Menlo Park, California

Vice Chair, OpenSolaris Governing Board (2008-2009 and 2009-2010 terms)

Developed policies and procedures for use by Sun Microsystems' operating system open source community. Led a cross-functional team of marketing, legal, engineering and community members that produced a set of trademark and branding guidelines that protected Sun's assets while providing for the needs of the distro-builders in the community.

SANTA MARIA URBAN MINISTRY

Board Member, Volunteer Mentor, Tutor, Sysadmin

Santa Maria Urban Ministry serves the inner city San Jose' community by providing basic services to meet short-term needs. Mentored and tutored 25 grade school kids after school on a weekly basis, helping with homework and introducing them to computers, robotics and model trains.

OPEN SOURCE – JMRI/DecoderPro

Project Developer - <http://JMRI.sourceforge.net>

JMRI is a 2006 Java One "Duke's Choice" award-winning open source project devoted to developing Java based model railroad control software. **Developed** the www.decoderpro.com web site layout and style, **wrote** locoIO embedded device configuration application.

OPEN SOURCE – Embedded Controllers, Arduino

Embedded systems designer - <http://www.spcoast.com/wiki/index.php/Category:Electronics>

Developed and **self-produced** open source design embedded controllers, sensors and devices using embedded PIC and AVR microcontrollers, ExpressPCB & Eagle design tools and the Arduino development environment.

Education

- Edward Tufte: "Presenting Data and Information", 2008
- Sun Microsystems, Six Sigma Green Belt. 2006
- University of Wisconsin-Madison, Computer Science department
- Wisconsin School of Electronics - Madison, WI - ASEE, Electronics and Computer Engineering