

# Robert Prince

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Current Skills	Deployment and management of systems on Amazon's AWS (EC2, S3, Elastic IP, EBS) cloud computing platforms and services. Java, Python, Ruby, UNIX shell, SQL. Fedora, Ubuntu, Debian, OS X. PostgreSQL, MySQL, sqlite. Apache, lighttpd, Mongrel, Phusion Passenger. Postfix, Dovecot, SASL (email infrastructure). Nagios (system monitoring), Redmine/trac (engineering workgroup coordination), dotCMS (content management), Asterisk (telephony), SVN, git, Capistrano (RoR application deployment). UNIX system/network administration, SSH/PKI. Production and test system management and monitoring. Team leadership, design, implementation, mentoring, management, technical support, business development. Publication-quality writing skills; public speaking.
Less Than Current Skills (1+ year ago, or not in production work)	J2EE; memcached; OSGi; Ant; Soekris, Gumstix platforms; HSQLDB; Oracle; OR-mapping tools; W3C XML Schema; XSL; EDI; CVS; PHP; Gforge (engineering workgroup coordination).

## Career

### The Okori Group: Technology Associate Aug 2009 – Present

- **Retail Inkjet Solutions**

Python; Ruby on Rails; network management solutions. Partner and vendor technical integration and relationship management.

### NextAlarm.com/LaserShield Systems: Senior Architect Feb 2007 - Present

Design, implementation, maintenance, and monitoring of NextAlarm.com's and LaserShield Systems' life safety applications. Solutions include multiple applications and systems: telephony, internet/web, alarm system protocols and signaling, databases, payment gateways, complex customer and customer support workflows, compliance with city/county and state-level alarm dispatch regulations. Software/system architect and team lead. 24x7 operations support. Participation in alarm system industry standards development via membership in CableLabs specification committee. Project and technical management on multiple partner and vendor integration projects. Level 2 technical support. Ongoing migration of production systems to Amazon's EC2 (et al).

### ETAS/Bosch GmbH: Senior Software Architect Aug 2005 - Feb 2007

Design and implementation of automotive diagnostic development framework and runtime engine. Data analysis and modeling; design of single-source database for vehicle data. Consultant to ASAM's ODX/MCD-2D (ISO 22901-1) automotive diagnostic protocol format committee. Drove open-source software engineering tools (GForge, SVN, wikis). Mentored junior engineers. Member of OSGi Automotive working group.

### Northrop Grumman: Software Architect Mar 2004 – Aug 2005

Drove development tools and engineering processes (process and tools adopted across division for R&D projects). Designed and led implementation of SCM system

including redundancy and backup. Created build environment (automated source checkout, build, error reporting, and notification). Led shift in software development from monolithic applications to modular application components. Design and implementation of Java XML Schema and XSL tools and libraries.

**Citrix Online (Expertcity): Software Engineer    Apr 2002 – Mar 2004**

Database-oriented development for industry-leading remote access products. Data analysis and reporting. Designed and implemented reports to track usage trends and effectiveness of online marketing campaigns. Used Java, Perl, Oracle, UNIX.

**Galileo Laboratories: Software Engineer            Jul 2001 – Jan 2002**

Requirements, database schema design, and Java Servlets/JSP development for WWW-based scientific data management and reporting system. Creation and management of build and development environments as part of shift from ASP/COM to Java-based development.

**Electron Economy: Lead Engineer    Oct 1999 – May 2001**

Engineer #5 (grew to over 200 engineers). Designed, implemented, and led teams to implement supply chain integration applications. Architect and developer of XML messaging, routing and translation software to integrate EDI/legacy and EAI applications. Java programming (Servlets, JMS, JSP). UNIX and database admin (before UNIX and database support groups existed). Created build and test environment (before QA group existed). Mentored junior engineers.

**IBM Global Services: IT Specialist    Jan 1999 – Oct 1999**

Developed prototype middle and presentation tiers for Offering Information, an internal IBM search engine. Developed multithreaded personalization and caching engine. Deployment and maintenance at IBM's Boulder, CO server farm.

**Education**

Bachelor of Science, Computer Science Emphasis  
UCSB, College of Creative Studies, Winter 1998  
Graduate coursework and work with computer science research groups

**Awards and Publications**

Parson's Foundation Undergraduate Research Fellowship  
Published <http://citeseer.ist.psu.edu/prince99design.html>

**US Navy**

Apr 1986 – Jul 1990  
Flight crew on P3-C Orion anti-submarine aircraft  
Job specification: AW (Aviation Antisubmarine Warfare Operator)  
Rank: AW2 (E5/PO 2nd Class)  
Honorable discharge with highest retention rating