Perry Nguyen
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Professional Objective

Senior Software Engineer in an organization where creative thinking, problem solving and rockstar-ninja skills are assets to developing disruptive innovations.

Technical Skills

Software Development: Android, Scala, Java, Python, C, Functional Programming, JavaEE, EJB, WebSphere, WebLogic, Tomcat, Jetty, Apache, Appengine, DB2, Oracle, PostgreSQL, JDBC, XML/XSLT, SOAP/WSDL, XSD, SBT, JUnit, make, Git.

Other Technologies: SSL, X.509, LDAP, Kerberos, VoIP, SIP, Asterisk, Telnet using Putty.

Interests

• Github projects. A large collection of personal projects, some with many thousands of users, spanning many languages and frameworks, including Android and Scala, can be found at https://github.com/pfn — Primary maintainer of scala-android.org and github/scala-android

Employment History

Technology Consultant
Self
April 2012–Current

Contribute to the development of TeleNav's Scout GPS Link for Toyota.

Develop Material Design design features and improve overall polish on the PayPal Android application that shipped during Superbowl 50. Implemented Sketch design files from conception to fruition.

Created the new Comedy Central app for Android, allowing users to stream and watch videos from anywhere. Launched to thousands of positive reviews, and hundreds of thousands of downloads with a minimal crash rate.

Developed an Android TV Everywhere applications for A&E, Lifetime and the History Channel. Responsibilities include ownership of authentication, authorization and the video player component including all associated analytics, subtitling, advertising requirements and HLS support.

Independently contracted to produce a newly re-designed Android application for two large financial services firms. Unit tests are implemented with Scalatest+Robolectric and automatic builds with SBT and Jenkins.

Create new maven plugins and software installation frameworks for Silver Spring Networks, a green energy (smart grid) startup.

Senior Software Engineer
Authentic8, Inc.
March 2010–May 2012

Principal engineer of the Authentic8 Browser, based on Mozilla's browser engine, including JavaScript and XUL.

Principal Software Engineer
Zimbra, a Yahoo! company (now a VMWare company)
January 2008–January 2010

Created a new email toaster (popup notification application) in Java. Interacts with Zimbra over SOAP to to provide message notifications. Open-sourced at http://code.google.com/p/zmtray

Created a new system for gathering multi-server statistics onto a centralized server. Implemented a SOAP interface to request and plot this data in realtime.

Maintained Zimbra's Apache modules for Yahoo!'s Zimbra hosted environment. Leveraged memcached to improve performance of the module, reducing request times several seconds each; a factor of 20-30x.

Developed tools to enhance the admin suite: consistency checking, licensing, tracking, etc.

Software Engineer
IBM Silicon Valley Lab
June 2003–December 2007

Designed and created a new, faster, easier-to-use interface for interacting with Rational ClearQuest, utilizing JPA, JAX-WS and Mozilla XUL/JavaScript for developing reusable a Web Service and an easy-to-use Firefox extension.

Architected, designed and implemented a robust and extensible build status reporting system on J2EE, WebSphere and DB2. Instrumented and provided an API for a large set of build tools (including Ant) to update status utilizing JMS and custom socket communications. Developed an admin console using JSP, custom tag libraries, LDAP and servlet filters. Allowed collaborative work on status records through the deployment of Wikis. Trained team members to develop in a J2EE and application server development environment using Rational tools.

Software Engineer
EXP Systems, Inc. (defunct)
September 2000–May 2002

Designed and created enterprise java applications utilizing WebLogic, XML, XSLT and Oracle; J2EE projects included systems for automated e-mail notifications, image management, free-text and parametric search. Created build tools for integrating and simplifying software releases, optimizing a 3 hour release process into 15 minutes.

Sr. Unix Systems Administrator / Software Developer
DoughNET, Inc. (defunct)
October 1998–July 2000

Designed and developed an email anonymizer addressing and delivery system. Developed an in-house application to graphically browse, query and execute procedures on an Oracle database. Built and maintained all corporate and development servers. Created tools to facilitate management and deployment of the server farm. Maintained firewall security policies for both office and datacenter networks as well as VPN connections with partner banks. Installed and configured networking hardware and appliances including cabling, routers, load-balancers and switches.

Software Developer
IBM Santa Teresa Labs / Almaden Research Center
June 1996–September 1998

Prototyped and developed a Media Management System applying cutting-edge technologies (e.g. Java AWT, Swing, NMI (JNI precursor) and DB2 with free-text and QBIC image search extensions); Demonstrated Media management system at NAB 1997. Maintained MPEG decoding and analysis software to detect and generate image storyboards based on video stream content. Created a testing library for a digital ad-insertion system for the broadcast industry.

Systems Integrator
Medweb, Inc.
October 1995–May 1996

Pioneered an ahead-of-its-time Java applet that allows doctors to view MRI and X-ray results online. Created service applications to allow remote doctors to view patient data including MRI and X-ray imaging.

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