David Lopez

davelpz@gmail.com
8318 Archwood Circle, Tampa FL, 33615
(813) 351-9084

Summary

Senior Software Engineer with 24 years experience with graphical user interfaces, user experience design, human factor engineering, and web technologies. Full stack skills ranging from database design to front end engineering.

Professional Experience

Verizon Data Services Inc.

Senior Member Techincal Staff **September 1997 – Present**

Highlights

- Team Lead for internationally distributed teams: Duties include project planning, scheduling, and using various management tools to control risk and costs.
- Developed patented web frameworks currently in use at Verizon.
- Recognized by my peers as a subject matter expert in web technologies such as HTML5, CSS3, Javascript, jQuery, Java, SQL, and Unix.
- System Designer: Duties included planning, designing architecture, developing, and implementing numerous systems. Focusing on user centered content that meet business and technical requirements.

  Systems (some examples)

  - *RFDS* - Radio Frequency Design System
    * System Architect: Responsible for planning, design, development, and implementation of a web based RFDS. Radio Frequency Engineers use RFDS to reduce the time required to implement cell tower antenna design(s).
  - *Unified Tasking Engine* - Enterprise solution for human tasking
    * System Lead: managed an internationally distributed team to maintain a large Oracle Service Oriented Architecture (SOA) Suite solution used to automate ticket assignments of manual processes.
  - *Unified User Interface* - Enterprise provisioning portal
    * Team Lead: managed an internationally distributed team of engineers to plan, design, develop, and implement a web portal. Worked with user group to gather, validate, and translate requirements into a technical solution.
  - *Provisioning Controller* - Enterprise Orchestration
    * Team Lead: managed an internationally distributed team of engineers to maintain, re-engineer, and modernize a complex web user interface.
  - *Broadband Assignment Activation Inventory System (BAAIS) Video provisioning* - Synchronous Optical Network (SONET) provisioning
    * Graphical User Interface Team Lead: Enhanced BAAIS to perform SONET provisioning. Responsible for user interface design and implementation for a interactive web based application.
  - *BAAIS* - Digital Subscriber Line (DSL) provisioning
    * Module Lead: Enhanced Assignment Activation Inventory System (AAIS) system to perform DSL provisioning. Responsible for system and schema design, data migration, and back-end functionality supporting graphical user interface enhancements.
  - *AAIS* - Telephone service provisioning
    * Module Lead: responsible for schema design, data migration, and back-end functionality supporting a graphical user interface.

Origin Technologies

Senior Consultant **September 1994 – September 1997**

- Worked on systems for GTE (later acquired by Verizon) as a contractor until hired by GTE.

IBM

Software Engineer **June 1990 – September 1994**

- Implemented user interface for the OS/400 C++ debugger.

SKILLS / TOOLS

OS: Linux (Red Hat and Debian variants), Mac OS X, Windows
Scripting: Bash and utils (sed, awk, grep), Python, Ruby
Backend: Java (J2EE/Spring Boot), Python (Django), Go, SQL, XML, JSON
Frontend: HTML, CSS (Less and Sass), JavaScript (jQuery, ExtJS)
Databases: Oracle, MySQL, PostgreSQL, Cassandra, SQLite
Web Application servers/proxies: Apache, HAProxy, Nginx, Tomcat, Glassfish, Weblogic
Version control systems: Git, Mercurial, Subversion, CVS

PATENTS

8,452,861 B2 – Broadcast Design For Provisioning Reconfigurable Optical Add/Drop Multiplexer Circuits **May 28, 2013**

Patent pending – System For Developing, Testing, Deploying, And Managing Applications In Real-Time

EDUCATION

University of Texas, El Paso, Texas
Graduate Coursework **January 1989 – June 1990**

University of Texas, El Paso, Texas
B.S. in Computer Science **August 1984 – December 1988**