David Lopez

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Summary

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

Professional Experience

Verizon (Temple Terrace, FL)

Verizon IT Division.

Senior Member Techincal Staff (September 1997 - Present)

Highlights

- Developed many systems from inception to production, including all aspects of architecture, design, implementation, and support.
  Systems (some examples)
  - *RFDS* - Radio Frequency Design (Java/Spring Boot, HTML5, CSS3, JavaScript)

- *Unified Tasking Engine* - Enterprise human tasking (Java, Oracle SOA Suite)
- *Unified User Interface* - Enterprise provisioning portal (Java, HTML5, CSS3, JavaScript)
- *Provisioning Controller* - Enterprise orchestration (Java, HTML5, CSS3, JavaScript)
- *BAAIS Video* - SONET provisioning (Java, HTML, CSS, JavaScript)
- *BAAIS* - DSL provisioning (Java, Swing)
- *AAIS* - Wireline provisioning (Java, Swing)

- Team Lead for internationally distributed teams.
- Created patented web frameworks in use at Verizon

Origin Technologies (Tampa, FL)

Origin Technologies *IT Consulting.*

Senior Consultant (September 1994 - September 1997)

IBM (Rochester, MN)

IBM *midrange systems division.*

Software Engineer (June 1990 - September 1994)

Skills

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, TX)

Graduate Coursework (January 1989 - June 1990)

University of Texas (El Paso, TX)

B.S. in Computer Science (August 1984 - December 1988)