

David Lopez

8318 Archwood Circle, Tampa, FL 33615
(813) 351-9084
davelpz@gmail.com
<http://www.linkedin.com/in/davelpz>

Summary

Senior Software Engineer with 29 years experience with graphical user interfaces, user experience design, and web technologies. Full stack skills ranging from database design to front end engineering.

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

Professional Experience

Verizon (Temple Terrace, FL) - IT Division

Principal Member Technical Staff (September 1997 - March 2019)

Highlights

- Senior Engineer for internationally distributed teams: Duties include project planning, scheduling, and using various management tools to control scope, schedule, and costs.
- Developed patented web frameworks currently being utilized by Verizon IT.
- Recognized by my peers as a subject matter expert in web technologies i.e. HTML5, CSS3, Javascript, jQuery, Java, SQL, and Unix.
- System Designer: Duties included planning, architectural design, development and implementation of various systems. Focused centered on user content fulfilling business and technical requirements. Team Lead for distributed teams.

Systems (some examples)

- **RFDS** - Radio Frequency Design System
[Java/Spring Boot, HTML5, CSS3, JavaScript, jQuery]
RFDS is a new system used by radio frequency engineers for cell tower design,

construction, deployment, and maintenance.

Duties:

- System Architect from system conception to production deployment
- Worked with subject matter experts to gather requirements.
- Designed/Implemented several micro-services
- Designed/Implemented various web based screens
- *Unified Tasking Engine* - Enterprise solution for managing tickets of manual tasks from assignment to completion.
[Oracle SOA Suite, Java]

Duties:

- System Lead: managed distributed team to maintain a large Oracle Service Oriented Architecture (SOA) Suite solution
- Re-engineered system to micro-service based architecture and replaced the Oracle SOA solution resulting in substantial cost savings.
- *Unified User Interface* - Enterprise web portal
[Java, HTML5, CSS3, JavaScript, jQuery]
Consolidated several web applications into a single UI solution.

Duties:

- Team Lead: managed distributed team of engineers.
- Worked with subject matter experts to gather, validate, and engineer a technical solution.
- Planned, designed, developed, and implemented web UI.
- *Provisioning Controller* - Enterprise business process manager
[Java, HTML5, CSS3, JavaScript]
Team Lead

Duties:

- Managed distributed team of engineers.
- Maintained, re-engineered, and modernized a complex web user interface.
- Broadband Assignment Activation Inventory System (BAAIS): *Video* - SONET provisioning
[Java, HTML, CSS, JavaScript]
Graphical User Interface Team Lead

Duties:

- Managed team of UI engineers.

- Responsible for user interface design and implementation for a web based application.
- Enhanced the BAAIS to perform SONET provisioning.
- *BAAIS* - DSL provisioning
[Java, Swing]
Module Lead
Duties:
 - Enhanced Assignment Activation Inventory System (AAIS) to perform DSL provisioning.
 - Responsible for system and schema design, data migration, and back-end functionality supporting graphical user interface enhancements.
- AAIS - Wireline provisioning
[Java, Swing]
Module Lead
Duties:
 - Responsible for schema design, data migration of back-end functionality, and design and implementation of UI.

Origin Technologies (Tampa, FL) - IT Consulting

Senior Consultant (September 1994 - September 1997)

- Contract system engineer assigned to work at GTE.
- Worked on systems for GTE as a contractor until hired by GTE.
- GTE was later acquired by Verizon.

IBM (Rochester, MN) - Midrange systems division

Software Engineer (June 1990 - September 1994)

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

Patents

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

9,910,651 – System for developing, testing, deploying, and managing applications in real-time (*March 6, 2018*)

10,275,115 – Multifunction icon for user feedback including context information

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)