ALFREDO DAVID TORRES

Software Developer | Software Engineer | Full-Stack Developer
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PROFESSIONAL SUMMARY

Software Developer and Analyst with 10+ years of experience building, implementing, and supporting web, mobile, enterprise, and geospatial applications. Background in full-stack development, database programming, requirements analysis, and data processing. Technical experience includes JavaScript, React.js, Node.js, Python, Java, PHP, PL/SQL, SQL, PostgreSQL, Oracle, SQLite, Flutter, Docker, and Git. Currently developing a custom QGIS plugin with Python and PyQGIS for geospatial data processing using GeoPackage, SQLite, and PostgreSQL. Previous experience includes U.S.-based React.js development and enterprise applications involving Ellucian ERP systems, Oracle, and PL/SQL.

TECHNICAL SKILLS

Programming: Python, JavaScript, Java, PHP, PL/SQL, SQL, Dart
Frontend: React.js, HTML, CSS, React Native
Backend: Node.js, REST APIs, API Development, Authentication & Authorization
Databases: PostgreSQL, Oracle, SQLite, GeoPackage
GIS & Geospatial: QGIS, PyQGIS, GeoPackage, Spatial Data Processing
Mobile: Flutter, React Native
Tools & Technologies: Git, GitHub, Docker
Additional: Requirements Analysis, Application Support, Debugging, Data Processing, Process Automation

PROFESSIONAL EXPERIENCE

GIS Developer Intern | Mountain View Business Group, LLC
Remote • 2025–Present

- Develop a custom QGIS plugin using Python and PyQGIS for geospatial data processing.
- Build a graphical interface that allows users to select and process geographic layers.
- Implement spatial intersection workflows using GeoPackage data.
- Maintain processing history and related application data using SQLite and PostgreSQL.
- Develop application functionality for working with and analyzing geographic datasets.

Frontend Developer | PMBS / ITR Solutions
Howell, MI • June 2023–September 2024

- Developed and maintained React.js frontend functionality for a production management and inventory tracking application.
- Implemented user-facing features supporting production workflows and inventory management processes.
- Collaborated with the development team to maintain and improve application functionality.
- Used Git for source control and software development workflows.

Software Analyst and Developer | Universidad Técnica Particular de Loja (UTPL)
Loja, Ecuador • August 2020–February 2022

- Analyzed and implemented software components using PL/SQL and Oracle databases.
- Worked with Ellucian enterprise applications in a higher-education environment.
- Participated in software analysis, development, implementation, and support.
- Developed SQL-based database components and solutions.

Software Analyst and Developer | PMBS
Loja, Ecuador • July 2018–June 2020

- Analyzed software requirements and translated business needs into technical solutions.
- Developed custom software components using PL/SQL and Oracle.
- Participated in the analysis and implementation of Ellucian enterprise applications.
- Developed mobile applications using Flutter.
- Supported application development and troubleshooting activities.

Software Developer | CID Secure
Loja, Ecuador • March 2013–July 2018

- Developed applications using JavaScript, Java, PHP, and Python.
- Built web applications using HTML and CSS.
- Developed software solutions to automate business processes.
- Improved application functionality and user experience.
- Participated in software analysis, development, debugging, and support.

SELECTED PROJECTS

Class & Activity Management Platform
Technologies: Node.js, PostgreSQL, Docker

- Full-stack application concept for managing classes, activities, instructors, locations, and schedules.
- Implemented authentication, authorization, protected APIs, and form validation.
- Designed backend services using Node.js and PostgreSQL.
- Containerized the application environment using Docker.

Personal Finance Application
Technologies: Node.js, React Native, PostgreSQL

- Mobile application for personal financial management and expense tracking.
- Implemented authentication and protected APIs.
- Developed financial calculations and charts for monthly spending, savings, and financial goals.
- Designed functionality for managing shared expenses within groups.

EDUCATION

Bachelor of Science in Computer Engineering — Universidad Técnica Particular de Loja (UTPL), Loja, Ecuador.

LANGUAGES

Spanish: Native | **English:** Professional Working Proficiency

PROFESSIONAL INTERESTS

Software Engineering | Full-Stack Development | Backend Development | Python Development | Application Development | GIS & Geospatial Software

WEBSITES & PROFILES

adtorresdev.com | github.com/adtorres1987 | linkedin.com/in/david-torres-villalta