



Walter Corrales Díaz

Looking for Software Engineer, Fullstack, Backend or Frontend roles

Resume

Dynamic and innovative Software Engineer with 8+ years of experience driving impactful solutions in various industries. Proven expertise in developing efficient mobile applications for in-flight sales, enhancing online learning platforms, and creating comprehensive patient portals. Skilled in a wide range of technologies including NodeJS, ReactJS, C#, and SQL Server. Adept at collaborating with cross-functional teams to deliver high-quality, user-centric software products. Eager to leverage my extensive technical proficiency and passion for problem-solving to excel as a Software Engineer.

Skills

NodeJS	●●●●●
Javascript	●●●●●
Typescript	●●●●●
ExpressJS	●●●●●
Fastify	●●●○○
NestJS	●●●●●
Serverless	●●●●○
Prisma	●●●●○
TypeORM	●●●●●
Mongoose	●●●●●
React	●●●●●
React-native	●●●●○
Expo	●●●●●
MUI	●●●●●
NextUI	●●●●●
Ant Design	●●●●●
Redux	●●●●●
Recoil	●●●●●
Zustand	●●●●●
NextJS	●●●●●
Astro	●●●●●
Preact	●●●●●
Angular	●●●●○
Vue	●●●●○
SolidJS	●●●○○
Svelte	●●●○○
Lit	●●●●●
Bootstrap	●●●●●
BulmaCSS	●●●●●
TailwindCSS	●●●●●
Vite	●●●●●
Webpack	●●●●●
Gulp	●●●●●
Grunt	●●●●●
Rollup	●●●●●
Slack blockit	●●●●○
Storybook	●●●●●
Jest	●●●●●
Mocha	●●●●●
Testing-library/react	●●●●●
Testing-library/react-native	●●●●●
Nx build	●●●●●
Flutter	●●●●○
Dart	●●●●○
.Net Framework	●●●●●
.Net Core	●●●●●
Dotnet	●●●●●
C#	●●●●●
Visual basic	●●●●●
Reporting services	●●●●●
Java	●●●●○
Spring boot	●●●○○
JSP	●●●○○
Hibernate	●●●○○
Swing	●●●●●
JavaFX	●●●●●
PHP	●●●●●

Experience

03/2023 – 07/2024
Madrid, Spain
09/2021 – 01/2023
London, UK
07/2021 – 11/2021
Miami, FL, USA
03/2021 – 07/2021
Managua, Nicaragua

Software Developer

[Alicunde Systems](#)

Developed a mobile app for embedded devices equipped with debit/credit card readers and an integrated printer, used for in-flight sales by European airlines. Collaborated closely with the Java core team and product design to ensure seamless integration and user-centered features. Conducted research to implement new technologies, with a strong focus on performance optimization due to the low hardware specifications of the devices. Prioritized enhancing efficiency and user experience within a resource-constrained environment.

Software Engineer II

[Moonshot Partners](#)

- I worked on developing app integrations and automation bots for Microsoft Teams and Slack, streamlining communication workflows and improving team productivity. These integrations enabled seamless interactions between external services and the platforms, automating routine tasks such as notifications, reminders, and data synchronization. Focused on enhancing user engagement through intuitive bot interfaces, while ensuring robust security and scalability across the platforms. Collaborated with cross-functional teams to align the development with business requirements and improve efficiency in daily operations.
- Another project involved developing an English learning app that featured interactive exercises, voice recognition for pronunciation scoring, gamification elements to enhance user engagement, and offline functionality through a modular class system. The app provided an immersive and flexible learning experience, allowing users to track progress and practice even without an internet connection. I focused on integrating voice technology and game mechanics to boost motivation and learning outcomes, ensuring a seamless user experience across both online and offline environments.

Software Engineer

[Opus Behavioral](#)

Worked on an Electronic Health Record (EHR) system designed to manage the treatment of patients with drug addictions. My responsibilities included developing and optimizing features for patient data management, treatment tracking, and clinical workflows. I also worked on patient portal, enabling users (patients or patients guardians) to schedule and track appointments, complete patient surveys, and monitor mood. Focused on ensuring data security and compliance with healthcare regulations while enhancing the system's usability to support personalized patient care and improve healthcare professionals' efficiency.

Fullstack Developer

[Contollo Consulting](#)

Contributed to the development of a time management app designed for room cleaning operations. The app featured productivity tracking, including statistics on the best times to clean and performance metrics. It also included functionalities for generating payrolls and other relevant reports. My role involved integrating these features to enhance operational efficiency, providing actionable insights for better time management and resource allocation.

Python	●●●○○
Flask	●●●●○
MongoDB	●●●●○
SQLServer	●●●●●
MySQL	●●●●○
PostgreSQL	●●●●○
Redis	●●●●○
CosmoDB	●●●○○
Elastic search	●●●○○
Azurite	●●●○○
RabbitMQ	●●●○○
AWS Cognito	●●●○○
AWS S3	●●●○○
AWS Lambda	●●●○○
AWS DynamoDB	●●●○○
Docker	●●●●●
Kubernetes	●●●●○
Git	●●●●●

01/2020 – 03/2021
Managua, Nicaragua

Integrador de Sistemas
[Instituto Nacional de Seguridad Social](#)

- Worked on developing an internal chat application utilizing WebRTC technology to enable real-time communication within the organization. Focused on implementing features such as video and voice calls, instant messaging, and secure data transmission. My role included integrating WebRTC APIs, optimizing performance for smooth user experiences, and ensuring the system met internal communication needs effectively.
- Led the migration of physical servers to containerized environments and virtual servers as part of a broader infrastructure optimization effort. This involved evaluating and selecting appropriate container technologies, configuring container orchestration platforms, and ensuring a smooth transition from physical to virtualized environments. Focused on improving scalability, resource utilization, and overall system performance while minimizing downtime and disruption.
- Developed an application to streamline HR processes by integrating with Active Directory. The app automated user account management, including temporary locks for vacation periods and permanent blocks for employees who were terminated or resigned. This integration ensured accurate and timely updates to user access rights, improving security and administrative efficiency.
- Developed an application to interface with generator sets (gensets) across multiple data centers, collecting critical performance data such as engine RPM, oil level, temperature, and fuel level. The application aggregated this data to generate comprehensive statistics and performance reports. Focused on ensuring reliable data collection and storage, which facilitated real-time monitoring and analysis of engine performance, leading to improved maintenance scheduling and operational efficiency.

Languages

Spanish **Native**
English **B2**

Projects

Disease.sh
[disease-sh/API: API for Current cases and more stuff about COVID-19 and Influenza \(github.com\)](#)
Contributed to a non-profit, open-source API backend project designed to provide real-time data related to COVID-19 and influenza. Developed using Express.js, JavaScript, and Redis, the API enabled efficient access to vital health information, supporting global efforts in tracking and responding to the pandemic. Focused on optimizing data retrieval and caching mechanisms to ensure high performance and scalability, allowing the API to handle large volumes of requests while delivering accurate, up-to-date statistics to users and organizations.

06/2016 – 12/2019
Managua, Nicaragua

Confident
Github Link:
[buster95/confident: PHP ORM for mysql \(github.com\)](#)
Packagist Link:
[confident/confident - Packagist](#)
Confident was a mini project writing in PHP, to learn how to create a little framework it was based on how it works expressjs

Analista de Sistemas
[Universidad Nacional de Ingeniería](#)

- Contributed to the development of a comprehensive billing system integrated with inventory management, provider records, and accounts receivable functionalities. The system streamlined financial processes by automating billing, tracking inventory levels, and managing supplier transactions. Additionally, it was connected to the HR system to enable automatic payroll deductions for employee purchases. My focus was on ensuring seamless data flow between modules, improving accuracy, and enhancing operational efficiency across departments.
- In addition, I developed an HR application that provided employees with access to detailed payroll payment information, HR communications, and time-tracking features, including clock-in and clock-out functionality. The app streamlined internal processes by allowing employees to easily view their payroll details and stay updated on important HR announcements, while automating attendance tracking for more accurate record-keeping and reporting.
- Another project I worked on was a statistical application for the university's pre-enrollment process. I designed and developed an interactive map that allowed users to visualize applicant data by city, providing insights into enrollment trends. The app displayed key metrics such as the number of applicants by city, the ratio of students from public vs. private schools, and gender distribution. By delivering real-time data and visual analytics, the app helped university administrators make informed decisions on recruitment strategies and resource allocation.

Education

03/2011 – 11/2017
Managua, Nicaragua

System Engineer
[Universidad Nacional de Ingeniería](#)

During my bachelor's degree, I gained strong programming skills through hands-on experience with languages such as C++, Java, C#, vanilla JavaScript, PHP, HTML5, and CSS3. I also developed a solid foundation in database management, working with MySQL and SQL Server. In addition to technical courses, I completed studies in accounting, project management, economics, finance, and statistics, providing a well-rounded understanding of both software development and business processes. This combination of technical and business knowledge equipped me to tackle complex, interdisciplinary challenges in the software industry.