

Alejandro Arouesty Galvan

Software Engineer

Mexico City, MX | +52 56 3441 3469 | arouesty21@gmail.com | [LinkedIn](#) | [Github](#)

PROFESSIONAL EXPERIENCE

Software Engineer I (Full-Time) — Past Post (Remote)

08/22 – Present

Develop and launch iOS/Android applications with a focus on front-end development.

Implement and enhance backend services on AWS (Lambda, API Gateway, DynamoDB), improving reliability and scalability.

Analyze user feedback and performance metrics to drive continuous improvements.

Software Engineer Intern (Internship) — TeachersPro, Madrid, Spain

08/24 – 01/25

Migrated a production web platform to a mobile environment, ensuring performance, usability, and feature parity.

Collaborated with designers and backend engineers to deliver a stable mobile release.

BPM & Continuous Improvement Intern (Internship) — Hellmann Worldwide Logistics, Mexico City, MX (Remote)

03/21 – 07/21

Developed and implemented standardized procedures to streamline business process management and optimize operational workflows.

Analyzed key performance metrics to identify areas for efficiency and cost reduction.

PROJECTS

Amazon Connect Supervisor Insights

02/24 – 06/24

Built a real-time interactive dashboard to integrate contact center data using Amazon Connect, AWS Amplify, Lambda, AppSync, and DynamoDB.

Applied serverless microservice architecture principles to optimize data handling and scalability.

Earth4J — Neo4j Hackathon (1st Place) & ExpoIngenierías

04/24

Developed a data analysis and visualization platform in a two-week sprint with a team of four.

Used Neo4j for graph-based data modeling, React for the frontend, and Three.js for interactive visualizations of sustainability metrics.

Quetzal

02/23 – 06/23

Designed, implemented, and deployed a cloud integrated open source RPG using Node.js, Aiven (MySQL), and C# in Unity featuring real time player data synchronization and a live web dashboard for performance analytics.

Ticket Management System (Nonprofit Organization)

08/23 – 11/23

Collaborated on the design, development, and deployment of a full-stack application to manage tickets for internal issues in a Nonprofit educational organization.

Implemented RESTful API controllers and middleware for authentication, authorization, and CRUD operations using JWT and MongoDB.

EDUCATION

B.S. in Computer Science, ITESM
Graduation: 07/25

Exchange Program in Electrical Engineering, TUM
07/20 – 12/20

High School German BI, Colegio Alemán Alexander von Humboldt, MX
Graduation: 06/20

SOFTWARE / TECHNICAL SKILLS

Programming Languages:

C++, JavaScript, TypeScript, Python, Dart

Frameworks & Tools:

Flutter, Next.js

Cloud & Databases:

AWS, SQL, MongoDB

Version Control: Git

LANGUAGES

Spanish (Native)

English (Fluent)

German (Advanced)