

Alexis Altamirano Villacis

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with nearly 4 years of experience delivering enterprise-grade applications across banking, insurance, aviation, and humanitarian sectors. Specialized in Java/Spring Boot microservices, Angular, and cloud deployments on AWS and OpenShift. Proven track record of building scalable RESTful APIs, optimizing high-transaction database systems (SQL Server, Sybase), and implementing microfrontend architectures. Passionate about applying AI-integrated tools and modern DevOps practices to drive measurable performance improvements.

PROFESSIONAL EXPERIENCE

Full Stack Developer

NexTi Solutions — Banco Bolivariano & Confident (Seguros Equinoccial)

April 2025 – Present · Quito, Ecuador

- Architected and maintained scalable **RESTful microservices** using **Java 8/17 and Spring Boot** within a high-transaction banking environment, contributing to API testing cycles that reduced defect rate by ~15%.
- Optimized database queries on **SQL Server and Sybase**, improving critical transaction processing times across core banking workflows.
- Built backend services with **NestJS and GraphQL** to support real-time data integration layers; supported zero-downtime deployments on **AWS and OpenShift**.
- Developed a full **dental clinics module** for Confident (insurance platform) using **C# .NET and Entity Framework**, integrating business logic, database layers, and REST API enhancements.

Full Stack Developer

Conecta EC — Grupo PROMERICA & Municipality of Quito (AsistCooper)

March 2024 – February 2025 · Quito, Ecuador

- Designed and implemented a **microfrontend architecture** using **Angular 15 and TypeScript** for Grupo Proamérica (Costa Rica), improving platform modularity and reducing integration overhead across 5+ services.
- Delivered end-to-end feature development with **Java 21 (Spring Boot)** on the backend, increasing feature delivery velocity by 20% within a cross-functional Agile team.
- Developed and maintained core banking web application (AsistCooper) using **Angular 8, .NET Core, and SQL Server**, optimizing database performance and providing technical support to 100+ internal users.
- Reduced critical query execution times by ~25% through stored procedure refactoring and query plan analysis on SQL Server.

Full Stack Developer

Grupo Transoceanica — LATAM AIRLINES

April 2023 – October 2023 · Quito, Ecuador

- Built a full-stack **freight management web application** using **JavaScript, Node.js, React, and Next.js**, processing high-volume logistics data for LATAM Airlines cargo operations.
- Designed and administered **PostgreSQL databases** supporting complex freight reporting workflows; deployed and managed application infrastructure on **AWS EC2 and S3**.
- Developed interactive **Power BI dashboards and reports**, enabling operational visibility for logistics teams and reducing manual reporting effort by ~30%.

Backend Developer

Grupo TAO

August 2022 – February 2023 · Quito, Ecuador

- Developed **backend services with Python (Flask)**, automating data processing workflows and integrating machine learning model outputs into production pipelines.

- Designed and administered relational databases; generated business intelligence reports using **Microsoft Report Builder**.
- Trained and validated supervised **machine learning models**, delivering data-driven insights to support operational decision-making.

Team Lead — Frontend Developer

Prowess EC

April 2022 – August 2022 · Quito, Ecuador

- Led a frontend team in building a **web platform for refugee entrepreneurs** using **JavaScript, WordPress, and PHP**, increasing business visibility for 50+ small business owners.
- Designed user-centric interfaces and delivered **Power BI analytics dashboards** to monitor platform engagement and social impact KPIs.

EDUCATION

Bachelor of Engineering — Software Engineering

Universidad de las Fuerzas Armadas ESPE

October 2019 – February 2024 · Sangolquí, Ecuador

- Graduation thesis: *Prototype AI Virtual Assistant Platform (ESPE EventBot)* — RAG architecture with React, Node.js/Express, MongoDB, and Groq/Gemini API fallback. Achieved 93%+ user satisfaction in testing.

CERTIFICATIONS

NDG Linux Essentials — Cisco Networking Academy

Hands-on experience with Linux CLI, file systems, user/group management, shell scripting, package management, basic networking, and system security.

TECHNICAL SKILLS

Languages	Java (8, 11, 17, 21) · Python · JavaScript / TypeScript · C# · HTML5 · CSS3
Frameworks & Libraries	Spring Boot · Angular · React · Next.js · Node.js · NestJS · Flask · .NET Core · Entity Framework
Databases	SQL Server · Sybase · PostgreSQL · MySQL · Oracle · MongoDB · Firebase · Cassandra
Cloud & DevOps	AWS (EC2, S3, RDS) · Azure · Google Cloud · OpenShift · Docker · CI/CD Pipelines
APIs & Architecture	RESTful APIs · GraphQL · Microservices · Microfrontend Architecture · RabbitMQ
Data & BI	Power BI · Microsoft Report Builder · Machine Learning (scikit-learn)
Tools & Platforms	Git · GitHub · GitLab · Azure DevOps · Jira · Agile/Scrum
Languages (Human)	Spanish (Native) · English (Professional Working Proficiency)