

Carlos Alvarado Hernández — Senior Full-Stack Developer | Tech Lead | Cloud Architect (AWS) | Applied AI

Email: carlos.alvarado.hernandez95@gmail.com — Phone: +56 9 6705 5892 — Santiago, Chile

EXECUTIVE SUMMARY

Senior Full-Stack Developer and Tech Lead with strong experience leading development, architecture, technical direction, and modernization of critical enterprise platforms across multi-stack environments: Java, Node.js, Python, React, Angular, and Next.js.

Specialized in AWS (Lambda, API Gateway, SQS, SES, DynamoDB, RDS), scalable architectures, modern backend patterns, CI/CD automation, code quality, and system reliability.

Extensive applied AI experience: RAG pipelines, chatbots, autonomous agents, machine learning workflows, large-scale classification, audio-to-text pipelines and generative tools.

As CTO of DNVR.CO, I lead end-to-end architecture, cloud infrastructure, engineering standards, developer guidance, and scalable solutions for clients.

KEY PROFESSIONAL EXPERIENCE

TCS — Senior Full-Stack Developer / Lead (2023–Present)

- Technical lead for a portfolio of critical applications in a multinational insurance company.
- Designed and implemented new high-impact features using React, Angular, Next.js, Node.js, Spring Boot, and Python.
- Ownership of microservices, incident resolution, performance optimization and production troubleshooting.
- AWS-based architecture following best practices for availability, failover and cost-efficiency.
- Mentorship of developers, code quality improvements and technical standards enforcement.

DNVR.CO — CTO & Tech Lead (2024–Present)

- Responsible for architecture, infrastructure, technical roadmap and cloud standards.
- Built a scalable mailing system using AWS SES + SQS + Lambda + Step Functions with full traceability.
- Developed chatbots, RAG systems, autonomous agents and AI-based automation tools.
- Implemented machine learning models for prediction, classification and workflow automation.
- Technical leadership across multi-stack client projects.

Thoughtworks — Consultant Developer (2022–2023)

- Web and mobile development with TDD, clean code and agile delivery practices.
- Participation in architectural decisions and technical design discussions.
- Projects included Azure, Kubernetes, Next.js, NestJS and MongoDB.

Aligare — Full-Stack Developer (2021–2022)

- React + Redux front-end; Node.js + MongoDB microservices.
- Spring Boot, AWS Lambdas and cloud integration in corporate projects.

Chilean Army — Telecommunications Platoon Commander (2018–2019)

Leadership, critical communications, high-responsibility operations and team coordination.

TECHNICAL COMPETENCIES

Languages: Java, Python, Node.js, TypeScript, SQL, PL/SQL.

Frontend: React, Next.js, Angular, Redux.

Backend: Spring Boot, Express, NestJS, Flask.

AWS Cloud: Lambda, API Gateway, SQS, SNS, SES, S3, RDS, DynamoDB, EC2, IAM.

Databases: PostgreSQL, MySQL, Oracle, MongoDB, DynamoDB.

DevOps: CI/CD, GitHub Actions, Docker, Kubernetes (basic), observability.

AI/ML: LLMs, RAG, embeddings, ML pipelines, classifiers, neural networks.

EDUCATION

Computer Engineering (Data Science) — DuocUC (2020–2023)

BA in Military Sciences — Escuela Militar (2018)

LANGUAGES

Spanish (Native) — English (Intermediate-Advanced) — Mapuzungun (Basic)