

CAROLINA VILLEGAS

Senior Full Stack Engineer with strong backend architecture expertise

Lima, Peru | carol.vi28@gmail.com | github.com/Caro2870 | prittor.com | Open to Remote Roles

PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 5+ years of experience building end-to-end scalable SaaS platforms. Strong expertise in backend architecture, performance optimization and distributed systems, combined with solid frontend experience delivering production-ready user-facing features. Delivered 66% latency reduction in critical APIs, led a team of 10 engineers and evolved ERP systems supporting 300 concurrent users.

PROFESSIONAL EXPERIENCE

Visma Latam — Senior Full Stack Engineer (2024–Present)

- Designed and implemented AI-driven action plan engine using GPT-3.5 / GPT-4o-mini on Azure, exposing full-stack features for leaders to generate plans by employee, team or area.
- Built frontend modules in React and contributed to corporate social network (Angular) enabling real-time engagement features.
- Architected backend services in Laravel and optimized MySQL queries reducing API latency by 66%.
- Implemented Redis caching and separated analytical workloads using Amazon Redshift.
- Migrated legacy platform to microfrontends architecture with cross-platform authentication.

Technologies: React, Angular, Laravel, MySQL, Redis, NestJS, AWS, Azure, WebSockets.

AMG — Technical Lead / Senior Full Stack Developer (2020–2023)

- Led team of 10 engineers across frontend and backend development (Scrum, sprint planning, code reviews).
- Evolved modular ERP platform (Laravel + Vue) handling 300 concurrent users.
- Built real-time features using WebSockets and designed full UI workflows for HR, retention and IT modules.
- Architected financial automation system including automated letters, checks and payment flows integrated with Experian and TransUnion.

Technologies: Laravel, Vue, MySQL, WebSockets, AWS (EC2, RDS, CloudWatch).

Interfell — Backend Engineer (Contractor)

- Migrated 3 microservices from Symfony monolith to Node.js architecture.
- Applied Domain-Driven Design and Hexagonal Architecture.
- Contributed to API design and performance improvements across services.

Technologies: Node.js, AWS S3, IAM.

La Confraternidad del Tenis — Full Stack Developer (Freelance)

- Built complete tournament management platform (frontend + backend).
- Designed database schema and implemented CI/CD deployment pipeline.

TECHNICAL SKILLS

Backend: Node.js, NestJS, PHP, Laravel, API Design, Performance Optimization

Frontend: React, Angular, Vue, TypeScript, Microfrontends

Cloud: AWS, Azure | Databases: MySQL, PostgreSQL, Redis, MongoDB

Architecture: Microservices, Distributed Systems, DDD, Hexagonal Architecture

AI: GPT Integration, Few-shot Learning, SaaS AI Features

EDUCATION

Bachelor in Software Engineering

CISCI 2024 — Co-author: Application of the Few-Shot Learning Method to GPT-3.5