

ANGEL ALFREDO ALTAMIRANO RODRÍGUEZ

Full-Stack Software Engineer | Angular | ASP.NET Core | Node.js / NestJS

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English: B2 (Upper-Intermediate) | Spanish: Native

PROFESSIONAL SUMMARY

Full-stack software engineer with 5 years of experience designing, building, and modernizing business-critical web and mobile applications. Strong hands-on experience across Angular and TypeScript frontends, ASP.NET Core/C# and Node.js/NestJS backends, REST APIs, authentication, payments, document generation, inventory, and third-party integrations. Currently leading the end-to-end development of a cloud-based ERP that replaces legacy Access/Excel workflows. Uses Spec-Driven Development and AI-assisted workflows with OpenAI Codex to turn complex business rules into maintainable, testable software.

CORE SKILLS

Backend & APIs: ASP.NET Core, C#, Node.js, NestJS, Express, REST APIs, WebSockets, Stripe, authentication, PDF generation

Frontend: Angular 20+, TypeScript 5+, RxJS 7, NgRx / NgRx Signals, Redux, Angular Signals, PrimeNG, Angular Material, React, Next.js, Vue 3, SCSS

Architecture & Testing: Spec-Driven Development, AI-assisted development (OpenAI Codex), Clean Architecture, Repository / Adapter / MVVM patterns, ABAC, Jasmine, Karma, Jest

Data, Cloud & Tools: MySQL, PostgreSQL, MongoDB, DynamoDB, Docker, AWS EC2/S3, DigitalOcean, GitHub, GitLab, Git, Jira, Selenium, Android Debug Bridge (ADB)

PROFESSIONAL EXPERIENCE

CCI | Full-Stack Developer

Jul 2025 - Present

Internal ERP and legacy-system modernization for an industrial products and services company.

- Lead the end-to-end design and development of a cloud-based ERP that replaces legacy Access/Excel workflows, owning frontend, backend, data, integrations, and cross-module delivery.
- Develop ASP.NET Core/C# REST APIs backed by MySQL on DigitalOcean, modeling business rules, permissions, document lifecycles, and transactional workflows across sales, inventory, dispatch, and billing.
- Build reusable Angular 20.3 interfaces with TypeScript 5.8, RxJS 7.8, NgRx Signals 20, PrimeNG, and TanStack Table, supporting pagination, filtering, sorting, permissions, dialogs, PDF exports, and CRUD flows.
- Keep Angular clients and ASP.NET Core APIs aligned through consistent contracts, validation, authorization rules, and coordinated state transitions across complex modules.
- Built a unified commercial-document model for quotations, invoices, electronic sales receipts, credit and debit notes, pricing tiers, units of measure, PDF generation, and controlled lifecycle management.
- Implemented attribute-based access control (ABAC) across the user interface and APIs through role, data, and contextual permission filters.
- Designed an inventory architecture based on an append-only stock ledger, piece/segment tracking, reservations, strict no-negative-stock rules, and traceability from imports through cuts, transfers, and deliveries.
- Delivered SUNAT electronic-document and CONCAR accounting integrations with validation, numbering, status tracking, automated exports, and reconciliation-ready references.
- Use Spec-Driven Development and AI-assisted workflows with OpenAI Codex to produce structured specifications, implementation tasks, and validation plans; write automated tests with Jasmine, Karma, and Jest where applicable.

Tech: Angular 20.3, TypeScript 5.8, RxJS 7.8, NgRx Signals 20, PrimeNG, TanStack Table, ASP.NET Core, C#, MySQL, DigitalOcean

NEXT SAPIEN | Full-Stack Developer

Nov 2024 - Jul 2025

CYRANO - matching and dating platform delivered through web and Ionic applications.

- Built and versioned reusable NPM component libraries for Matcher and Client dashboards, enabling shared frontend modules across web dashboards and the Ionic application.
- Delivered the primary Matcher and Client interfaces, including a real-time chat module powered by WebSockets.
- Implemented Stripe bank-transfer flows on the backend, including customer cash balances, funding instructions, subscriptions, and payment webhooks.
- Developed a screenshot and annotation feedback tool integrated with the Jira API, enabling users to submit actionable issues directly from the product.
- Created an admin localization module for Spanish, English, and French, replacing static JSON files with centrally managed translations.
- Developed browser and Android automation and scraping workflows using Selenium and Android Debug Bridge (ADB).

Tech: Ionic, TypeScript, NPM libraries, WebSockets, Stripe, Jira API, Selenium, Android Debug Bridge (ADB)

MOTTIVA | Full-Stack Developer

Dec 2023 - Nov 2024

Digital products focused on mental health and employee well-being.

- Migrated a legacy React Native application to Flutter using Repository, Adapter, and MVVM patterns within a clean architecture.
- Implemented daily check-in modules that collected client responses and generated employee well-being analytics for customer organizations.
- Built Vue 3 interfaces and Express APIs for profile-based landing pages and appointment scheduling.

Tech: Flutter, Dart, React Native, Vue 3, Express, MVVM, Repository and Adapter patterns

ESFERA DIGITAL | Full-Stack Developer

Nov 2021 - Aug 2023

Consulting and product development across finance, sports, healthcare, and wellness.

- **DERRAMA ADMINISTRATIVA:** Led development of an Angular/NestJS financial application, collaborating with accounting and UI/UX stakeholders to model customer payments, loans, and contributions.
- **DERRAMA ADMINISTRATIVA:** Implemented two-factor authentication with Google Authenticator, one-time password verification through Twilio/TextBelt, and analytics dashboards with Angular Material and C3.
- **FUTBOLFIT:** Led a MERN-based sports training platform with Izipay payments and wrote unit and integration tests with Jest.
- **AVIVA:** Enhanced a medical-services backend through data-structure optimization, billing-logic updates, and dynamic PDF reporting.
- **HOLOS:** Built responsive SCSS landing pages from Figma designs, with careful DOM and cross-device behavior.

Tech: Angular, NestJS, React, Node.js, MongoDB, Jest, Angular Material, C3, SCSS, Figma

EDUCATION

Currently pursuing Systems Engineering | Universidad Privada del Norte (UPN), Lima, Peru

Full-Stack Development Bootcamp Certificate | Coding Dojo, Santiago, Chile - Java, Python, and MERN stack

ADDITIONAL INFORMATION

Languages: English B2 (spoken and written); Spanish (Native)

Engineering Practices: End-to-end full-stack ownership, API contract design, Spec-Driven Development, AI-assisted development with OpenAI Codex, automated testing, and reusable architecture

Domain & Collaboration: ERP and legacy modernization, payments, inventory, logistics, finance, accounting, healthtech, consumer platforms, and cross-functional work with product, UI/UX, frontend, backend, and business stakeholders