Franco Ferreira

Senior Full-Stack Developer | Product Engineer

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PROFILE

Full-stack developer and product engineer with 7+ years in software (Ford, HSBC, Aivo and Rely). Since October 2023 I have led product and engineering at Rely: customer dashboard, operations queue and six or more external integrations, with explicit approval before any sensitive action. At Rely I use React and TypeScript on the frontend, and Kotlin with Spring Boot and PostgreSQL on the backend; my Java experience comes from Ford and HSBC. I contributed to Rely's AWS deployment. I build with Codex, Claude and Grok and own the result.

SKILLS

Frontend: React, TypeScript, JavaScript, Angular (five or more years, with RxJS), Next.js (own projects)

Backend & data: Kotlin, Spring Boot, Java (Ford, HSBC), PostgreSQL, SQL, REST APIs, webhooks; Node.js/Express and Python in own projects

Infrastructure & delivery: AWS (EC2, ECR, SSM, IAM/OIDC), Docker, GitHub Actions, Auth0, Stripe, Cloudflare R2; Cypress, Karma, Percy

Applied AI: model APIs, validated and repaired JSON, function calling, local inference (Qwen2.5, llama.cpp). With Codex, Claude and Grok, one agent implements, another reviews and they run tests; I test and read the code

EXPERIENCE

Rely · Co-founder (self-employed) · Product and full-stack engineering — Oct 2023 – Present

- Built the customer dashboard and the internal operations queue for LATAM founders running US companies: filings, payments, banking, documents, deadlines and support. Around 40 companies have passed through the dashboard.
- Designed an order model that turns each provider's status into the next action for the customer and for operations.
- Connected 6+ external services; sensitive actions require explicit approval and attached evidence. Two-developer team; we review each other's code.
- Stack: React, TypeScript, Kotlin, Spring Boot, PostgreSQL, Auth0, Stripe, Docker, AWS, Cloudflare R2.

Acelera · Co-founder (self-employed, side project) · Applied software and integrations — Jan 2026 – Present

- Turn broad business briefs into stakeholder interviews, workflow maps, scoped TypeScript and Python prototypes and a defined pilot proposal; these are not production deployments.

Aivo · Full Stack Developer — Nov 2022 – Jul 2024

- Built Angular admin tools that let non-technical enterprise teams configure and manage conversational-AI flows without engineering support.
- Owned unit, end-to-end and visual-regression testing with Karma, Cypress and Percy, working with product and UX.

HSBC · Full Stack Developer — Dec 2020 – Nov 2022

- Built customer onboarding with Angular and Java Spring Boot in a regulated banking environment.
- Integrated biometric capture with identity verification and handled document-validation and eligibility edge cases.

Ford Argentina · Full Stack Developer — May 2019 – Dec 2020

- Built and maintained Java Spring Boot services and SQL-heavy workflows for parts, inventory and logistics in Argentina and Brazil.
- Migrated AngularJS screens to Angular 8 while the system stayed in use.

PROJECTS

LLM Local PDF (2026, public): Offline Python pipeline with Qwen2.5 and llama.cpp that extracts Argentine legal PDFs into reviewable JSON, with retries, JSON repair and schema validation. github.com/frxnnk/llmlocalpdf

Lemon Box (2026): ESP32-S3 live market displays: firmware, hardware, WiFi, touch input, 3D printing, assembly and OTA updates. Delivered units run my firmware; enclosure modeled by Joaquín. github.com/frxnnk/lemon-display

EDUCATION

Technical Diploma in Information Technology · Escuela Técnica Nuestra Señora del Valle · 2017. Additional coursework: CS50 and Platzi.

LANGUAGES

Spanish (native) · English (upper intermediate, self-assessed)