

Alfredo Ferreira

Frontend-leaning Full Stack Engineer

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PROFESSIONAL SUMMARY

Frontend-leaning full stack engineer with two years of React and TypeScript in production, shipping through the full lifecycle from design partnership to App Store release. Uses Claude Code daily and helped integrate it into a production engineering team. Builds AI-powered products on Next.js and the Claude API, including a credit ledger with transactional guarantees and a CRM with pipeline and inbox dashboards. Native English and Spanish.

TECHNICAL SKILLS

Frontend	React, TypeScript, Next.js, component architecture, state management (Redux, React Query, Context), React Native, Expo, Tailwind, HTML, CSS
Backend and data	Node.js, Express, GraphQL, GraphQL Codegen, REST APIs, microservices, PostgreSQL, SQLite, SQL, Drizzle ORM, Supabase, Zod
Delivery and testing	Jest, Git, GitLab CI/CD, GitHub Actions, Fastlane, App Store Connect, Transporter, Intune, Bruno, Postman, Renovate
AI-native development	Claude Code (daily), Claude API, GitHub Copilot, agentic workflows, structured output validation, prompt injection mitigation

PROFESSIONAL EXPERIENCE

Mobile Engineer I, Northwestern Mutual

New York, NY | Aug 2024 - Apr 2026

- Built user facing features in React, React Native and TypeScript for an application used daily by financial representatives firm-wide, partnering with the product engineer and design to build features and fix bugs across the app from concept through release.
- Completed the firm's formal AI development training, then used Claude Code daily and helped integrate it into the team's workflow, writing repo level instruction files and building agents, and contributed to an agentic workflow that generated tests matching team conventions, verified by breaking the covered code to confirm the tests failed.
- Worked with a team of engineers to migrate five legacy service endpoints (appointments, calls, tasks, notes, opportunities) to GraphQL with no disruption to daily users, shipping in slices and testing each before the next.
- Built and maintained Node.js and TypeScript backend services and GraphQL APIs, monitored microservices health in production, and deployed monthly releases.
- Served as Release Captain on a monthly rotation and owned App Store releases end to end, including signing, provisioning, certificates, and the Fastlane pipeline for iOS and Android.
- Raised Jest test coverage from 55% to 80% and used Renovate to automate backend dependency updates.

Software Engineer, MyConnect

Remote | Aug - Oct 2023 | Internship

- Built front end features in JavaScript for a platform supporting families raising children with special needs, matching them to local resources.

Full Stack Engineer, BleuSpa

Remote | May - Aug 2023 | Freelance

- Built and launched a full site in React, Node.js and Express for a small business, driving a 30% increase in online engagement.

PROJECTS

Viraling, AI Content Script Generator

viraling.netlify.app

Next.js 16, React 19, TypeScript, Drizzle ORM, Neon Postgres, Claude API, Zod, Upstash Redis. Source at github.com/AlfredoFerreiras/Viraling

- Built solo on Next.js 16 and React 19. Postgres row level security enabled and forced on every table, with the app connecting as a role without BYPASSRLS, so one user cannot read another's rows.
- Transaction flow with a credit ledger where the debit and the ledger row commit atomically via a conditional update, so concurrent requests cannot double spend. Zod validates all model output before it reaches the database.

Fieldkit, Offline First Field App

github.com/AlfredoFerreiras/fieldkit

React Native, Expo, TypeScript, SQLite

- Offline job reporting for a fire damage restoration contractor, in hands on testing with them. Local SQLite is the source of truth and no screen ever awaits the network.
- Append only outbox with at least once delivery: rows leased before send, reclaimed after a mid flight crash, deduped on record and sequence. Version based conflicts are held for a human to resolve. Sync engine tested against real SQLite.

1107 Labs, AI Powered CRM

ai-crm-for-content-creators.netlify.app

Next.js, React, TypeScript, Supabase (Postgres, Auth), Twilio, Claude API

- Partner facing dashboards for small agencies: contacts, drag and drop pipeline, campaigns, and workflow automation on Next.js. Unified inbox normalizes Twilio SMS and email into one message shape with the channel as a field, so a single rendering path handles both.

EDUCATION

Fullstack Academy, Software Engineering Certificate

2023

Borough of Manhattan Community College, Associate of Science in Computer Science

2020

Earlier: Enrollment Specialist, RemoteFocus (2023-2024) · Marketing Specialist, Acosta (2021-2023) · Customer Technology Support, Champion Car & Limo (2017-2021). Retrained into engineering while working full time.