Emanuel Reis

Full Stack Software Engineer

Azores, Portugal | info@ereis.dev | Open to international and remote roles
LinkedIn | Portfolio | GitHub

PROFILE

Full stack software engineer with professional experience since 2019. Delivered web applications, APIs and integrations using TypeScript, React/Next.js, Node.js and PostgreSQL. Work spans fleet reporting, loyalty systems and independent products, with a focus on permissions, data workflows and reliable delivery.

CORE SKILLS

Frontend: TypeScript, JavaScript, React, Next.js, HTML/CSS, Tailwind CSS

Backend and data: Node.js, Express, Fastify, REST APIs, PostgreSQL, MongoDB, Prisma

Delivery: GitHub Actions, Docker, Azure, Vercel, Vitest, API and integration testing

PROFESSIONAL EXPERIENCE

J.H. Ornelas | Bensaude Group

Jun 2024 - Present

Full Stack Developer since Dec 2024 | Joined in Quality Assurance in Jun 2024

- Delivered Frotas, a Next.js/TypeScript and PostgreSQL platform where clients consult fuel-card transactions and generate reports, while administrators manage cards, organisations and approvals.
- Modelled company, business-unit and department access, connected external transaction synchronisation, and delivered PDF, Excel and CSV reporting for different operational needs.
- Developed and maintained the UAU Node.js/TypeScript API on Azure, supporting a Flutter mobile application and a React/Next.js backoffice for fuel-card and loyalty workflows.
- Developed Android logistics workflows with Kotlin, OCR/QR scanning and external API integration, adding local safeguards against repeat submissions after interrupted requests and tests on Android devices.
- Current responsibilities include application support, issue investigation, data structuring and validation, and coordination with internal teams and external providers.

Frotas case study: ereis.dev/work/frotas

Sublime Cipher | Software Engineer

Oct 2021 - Dec 2023

- Built React and Next.js interfaces for telecommunications site management and aviation operations, including forms, validation, document handling and multilingual support.
- Developed the Bumpy Node.js/Express and MongoDB backend for market-data aggregation and investment portfolio tracking, integrating external APIs and Firebase authentication.
- Automated web deployments using GitHub Actions and Firebase.

Viragem | OutSystems Developer

Oct 2019 - Sep 2021

- Developed an automotive call-centre incident management system with OutSystems, business process workflows and SQL.
- Built data import and synchronisation services using Node.js, Express and Puppeteer, running on AWS EC2 and Lambda.

INDEPENDENT SOFTWARE PROJECTS

DayFlow | Travel Planning Application

Next.js, React, TypeScript, PostgreSQL, Supabase, Stripe, MCP

- Delivered a shared workspace for itineraries, maps, budgets and documents, with offline access and synchronisation when connectivity returns.
- Implemented Stripe entitlements and authorised MCP access for external assistants, with atomic PostgreSQL usage reservations and regression tests for permissions and concurrent requests.

DayFlow case study: ereis.dev/work/dayflow

Platefy | Recipe Import and Management API

Node.js, Fastify, TypeScript, PostgreSQL, Redis, BullMQ

- Built an API that turns social media recipe captions into structured records using language models and BullMQ/Redis background jobs, with progress tracking and usage limits.
- Implemented authentication, PostgreSQL data models with Drizzle, OpenAPI documentation from shared Zod schemas, and tests with mocked external providers.

Platefy case study: ereis.dev/work/platefy

Cogniza Command Center | Private Project Workspace

React, TypeScript, Fastify, PostgreSQL, Python, Docker

- Built a workspace connecting project documentation, GitHub information and priorities, with project permissions and persistent conversations powered by a VPS-hosted Hermes agent.
- Integrated a code-change workflow using isolated Docker environments, automated validation and draft pull requests, keeping code generation, merge and production deployment as separate steps.

Command Center case study: ereis.dev/work/command-center

DEVELOPMENT WITH AI AGENTS

- Use Codex for general development and Claude Code for UI refinement. For larger changes, provide codebase context and requirements, review and approve a detailed plan, then divide execution into sprints.
- Use project instructions, architecture notes and isolated branches/worktrees. Validate the UI and GitHub changes, request automated tests when appropriate, and follow PR/checks, merge and production verification.

EDUCATION

Academia de Código | Full Stack Programmer

Jun - Aug 2019

DeepLearning.AI and Stanford Online | Coursera

Apr 2024

Courses in supervised machine learning, advanced learning algorithms, unsupervised learning, recommender systems and reinforcement learning.

LANGUAGES

Portuguese - Native | English