

Andrei Ferreira

Senior Full-Stack Engineer

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SUMMARY

Senior Full-Stack Engineer with 5 years building SaaS and product infrastructure across budgeting, healthcare, logistics, environmental compliance, geospatial, contract management, and social and creator products. Specializes in TypeScript, React, Node.js and NestJS, PostgreSQL, and agent systems, with additional professional delivery in PHP and Doctrine.

SKILLS

- **Languages:** TypeScript, JavaScript, SQL, PHP, HTML5, CSS3
- **Frontend:** React, Next.js, React Native, TanStack Query, Zod, Tailwind CSS, Material UI, Leaflet
- **Backend and data:** Node.js, NestJS, Express, REST APIs, GraphQL, PostgreSQL, MongoDB, Doctrine, OpenAPI
- **Quality and tooling:** Jest, React Testing Library, Cypress, Git, Docker, CI, Model Context Protocol, multi-agent orchestration

EXPERIENCE

Fullstack Engineer | Coderockr June 2026 - Present

- Implemented shareable URL-persisted map state with validated restoration, permission-gated cloning without an extra API request, configurable legends, and keyboard-accessible layer administration for a geospatial product
- Delivered authorized PDF comment attachments across a PHP and Doctrine backend and frontend, including role checks, upload validation, encrypted storage, transactional rollback, visibility rules, and OpenAPI updates

Fullstack Engineer | Orca V2 (Coderockr) November 2024 - June 2026

- Led the frontend architecture of the V2 rebuild, establishing its React and TypeScript foundation with Vite, TanStack Query, Zod, Tailwind CSS, Radix, and shadcn/ui
- Expanded into full-stack delivery with NestJS and PostgreSQL, implementing complex budgeting, product-variant, and brand-approval workflows across the interface, API, and relational data model

Fullstack Engineer | Raster Siga Verde (Coderockr) June 2023 - November 2024

- Built an environmental-compliance logistics platform for corporate clients, developing Node.js and Express APIs and PostgreSQL schemas for complex domain data
- Integrated TanStack Query, React Hook Form, and Zod to keep server state and form validation consistent across responsive React and Material UI workflows

Software Engineer | Multiple Clients (Coderockr) November 2021 - June 2023

- Developed a healthcare application for a dialysis hospital managing 108K annual patient sessions, with real-time synchronization, React Native interfaces, and GraphQL
- Built the first version of supplier budgeting SaaS Orca V1 and SEO-oriented Next.js sites with reusable styled-components and code splitting
- Added a PDF viewer, Redux Toolkit state, and Cypress coverage to the LogRock logistics platform; built responsive interfaces for The Key NLP cross-platform audio product

PROJECTS

Pi Native Subagents | Open source, MIT | github.com/vorsakha/pi-native-subagents

- Built a TypeScript extension for Pi that runs native background agents on Pi, Claude Code, and Codex, with retained follow-ups, capability-based routing, supervision dashboards, and replayable multi-phase workflows
- Implemented explicit access policies, read-only sandboxing, no-nested-delegation boundaries, provider-readiness checks, and bounded parent and peer question flows; the repository includes 39 tracked TypeScript test files

EDUCATION

- **BSc in Computer Science**, Universidade Salvador, Brazil | December 2018
- **EF SET English Certificate**, C2 Proficient, 75/100 | 2022; Portuguese native, English C2