Felipe Luis Rodrigues Sousa

Fullstack Developer, frontend-focused

`React · Next.js · TypeScript · Node.js · PostgreSQL`

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SUMMARY

- Two years (October 2023 to October 2025) as a Mid-level Fullstack Engineer (Pleno I), frontend-focused, at Algoricca Software Company, remote.
- Frontend of two SaaS products: electoral intelligence (Candidattus) and multi-tenant white-label corporate communities (Connexicco).
- Today I run a multi-tenant finance app in production, with per-household isolation through Row-Level Security in PostgreSQL.
- Access control as a continuous thread: an academic project in 2017, role-based access in 2021 and IAM in my own platform.
- I work with an AI coding agent (Claude Code) under written rules: an ADR before code, one pull request per step with human review, and secret hooks.

TECHNICAL SKILLS

Frontend:
React, Next.js, TypeScript, JavaScript, Tailwind CSS, Styled-Components, MUI, Storybook, React Native and Expo Router
Data and visualization: ApexCharts, ECharts, Recharts, Dashboards
Testing and quality: Vitest, Playwright, axe (WCAG 2.2 AA), Jest, Biome, ESLint
Backend: Node.js, tRPC, Express, Python and FastAPI, PHP, PostgreSQL, Supabase, MongoDB
Architecture and security: Multi-tenant and white-label, RBAC and IAM, Row-Level Security, ADRs, Observability
Tools: Git and GitHub, CI with quality gates, Docker, Linux, Vercel, AI coding agents (Claude Code)

PROFESSIONAL EXPERIENCE

Mid-level Fullstack Engineer (Pleno I), frontend-focused, Algoricca Software Company
October 2023 to October 2025. Remote, contractor.

- Joined as the only frontend developer and stayed until the end of the contract, through a complete team turnover.
- Frontend technical reference: chose the stack and started the architecture, onboarded everyone who joined, and reviewed pull requests for merge with automatic deployment, backend ones included.
- A design system with tokens in Styled-Components, documented in Storybook; performance work with lazy loading, code splitting and the removal of redundant requests.

Candidattus (candidattus.com), October 2023 to December 2024

An electoral intelligence SaaS platform for agencies, parties and candidates.

- Used in the 2024 Brazilian elections, with real-time monitoring.
- Analytical dashboards over tens of millions of electoral records, with ApexCharts and ECharts (heat maps, a hexagonal national map, gauges, scatter and bubble charts) and custom components where the libraries fell short.
- Modules named on the product site: Cockpit do Candidato, Estratégia de Candidatura, Gestão da Candidatura, Inteligência Política, Trajetória Política and Portfólio de Candidaturas.

Connexicco (connexicco.com), December 2024 to October 2025

A digital community platform for companies.

- Evolved the frontend to serve several organizations at once, each with its own visual identity and structure resolved at runtime.
- Full mobile adaptation of the platform and video conferencing integrated into the online events module.
- Modules named on the product site: Comunidade, Clubes de relacionamento, Educação, Eventos Online, Expertise as a Service and Soluções.

Fullstack Developer, Centro de Mediadores
October 2020 to September 2021. Brasília, Brazil, paid temporary engagement.

- October 2020: a first sales administration system in Vue 2, Express and MongoDB.

- March to September 2021: the final system in PHP 7 (MVC) with Docker, covering leads and enrolments, CSV import, dashboards, targets, chat and a WhatsApp shortcut.
- Role-based access (consultant and administration), with reports and targets restricted to each role.

Fullstack Developer, Vehicle dealership (Rio Verde, Brazil)

November 2020 to January 2021. Paid partnership project.

- A management system with a Vue 2 frontend and an API in Node.js, Express and Knex (PostgreSQL): customers, suppliers, vehicles and users.

OWN PROJECTS (FELPSXP)

- **FelpsXP Finance:** A multi-tenant finance app in production and daily use: Expo Router (iOS, Android and web from one codebase), a tRPC API in Node.js and TypeScript, and per-household isolation with Row-Level Security in PostgreSQL (Supabase).
- **FelpsXP Logs:** A local, private command centre that reads every repository in the ecosystem (local clones and the GitHub API with a read-only token) and produces an inventory, an ADR index and a 15-check compliance report, through a CLI and a Next.js web app.
- **FelpsXP Hub:** This site: a portfolio rebuilt from scratch in Next.js in a public repository, with decisions recorded as public ADRs, and tests and security controls on every pull request.
- **FelpsXP Platform:** The private foundation of the ecosystem: per-organization IAM, events, and an observability package (logging, redaction of sensitive fields, correlation and request IDs) covered by automated tests.
- **Security review of my own code:** Fixed a role-based privilege escalation, an identity taken from an unsigned internal header, and a session cookie compared without cryptographic verification.

EARLIER EXPERIENCE

- **Document automation** (Freelance, around 2018): Daily download, reading, renaming and filing of the public PDF documents of Brazil's grid operator (ONS) for an electrical engineer, in Python.
- **Research in the CLARA Project** (LARA, University of Brasília, November 2017 to July 2018): The wireless joystick 2.0 of a laparoscopic surgery assistant robot, in C and C++ with RF and Bluetooth communication.
- **Access control with facial recognition** (University of Brasília, September to December 2017): A three-person course project in C++ with OpenCV, a GUI and a user and booking database.
- **Teaching assistant, Algorithms and Computer Programming** (University of Brasília, 2017): Teaching assistant for the introductory programming course.
- **UnBeatables robotics team** (University of Brasília, 2016 to 2017): A 195-hour extension activity, including the EDUBOT Project, supported by IEEE RAS: robotics in public schools with the Sparki robot.
- **Private tutor** (January 2017 to July 2018): Mathematics, physics and chemistry for high school students.

EDUCATION

- **Mechatronics Engineering (Control and Automation)**, University of Brasília, 2015 to 2021, not completed.
- Computing courses passed at the University of Brasília: Algorithms and Computer Programming, Data Structures, Programming Techniques 1, Logic Circuits and Digital Systems.
- Rocketseat (2023): Explorer track (taken, without a certificate), NLW IA, AI for Devs, Java and Conectar.

LANGUAGES

- Portuguese: native.
- English: technical reading and writing (docs, commits and ADRs in English); conversation in progress.