

Lorenzo Leão Dotto

Full-Stack Developer — TypeScript · React / Next.js · Node · PostgreSQL
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PROFILE

Full-stack developer who ships complete products end to end — data model, security boundaries, interface and deploy. Built and shipped an offline-first operations system used daily by electrical grid field crews, and a data product running machine learning entirely in the browser. Comfortable putting business rules where they cannot be bypassed, and disciplined about not claiming results that have not been measured.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, SQL
Frontend	React 19, Next.js 16 (App Router), Tailwind CSS v4, shadcn/ui, PWA, GSAP
Backend	Node.js, Fastify, Next.js Route Handlers & Server Actions
Data	PostgreSQL, Supabase (row-level security, triggers, RPCs), Prisma
Testing	Playwright (E2E), Vitest, Supertest, test-driven development
Tooling	Docker, Git, GitHub Actions, Vercel, ESLint / Prettier, Husky
Other	transformers.js (in-browser ML), Web Push / VAPID, Google Places API, i18n

PROFESSIONAL EXPERIENCE

Full-Stack Developer — Sirtec September 2025 – May 2026 · Brazil
Electrical grid construction and maintenance contractor. Sole developer on “Torre Ativa”, a field presence and operations system for crews working across dispersed grid sites.

- Built an **offline-first mobile presence app** for crews working in areas with unreliable connectivity — designed for **two taps and no training**, because the users were electricians on towers, not office staff.
 - Delivered a **live supervisor dashboard with alerts**, replacing a process that ran on phone calls and memory. Supervisors moved from reviewing yesterday to acting on now.
 - Produced the company's **first operational dataset on crew presence and movement** — information that had never been captured before, now used as the basis for planning.
 - Owned the work end to end: data model, offline sync strategy, supervisor interface, deployment and rollout to field crews.
- Stack:** Next.js · TypeScript · Supabase · PostgreSQL · Vercel — deployed and in daily use.
- Impact figures for this system exist but have not yet been independently verified, so they are deliberately omitted rather than estimated. Happy to walk through the architecture and the measurement plan.*

PROJECTS

FinRadar — multi-bank statement analyser with in-browser ML live · code
Upload bank statement CSVs from any institution and see categorised spending — no manual tagging, no cloud AI cost.

- Designed a **format-adapter architecture**: heuristic detection dispatches to per-bank parsers that normalise to a single schema, so supporting a new bank is one new file with no change to the pipeline.
- Built rules-first categorisation reaching **93% coverage on the reference dataset**, with an optional local AI layer — an embedding model running **entirely client-side** in a Web Worker (WebGPU with WASM fallback), paired with a classifier trained offline to ~91% validation accuracy on 68,000 transactions.
- Implemented cross-file deduplication for overlapping statement periods, historical FX conversion at each transaction's own date, and full English / Portuguese internationalisation.
- Used **synthetic sample data** rather than real statements, documented as such — reference formats reproduced structurally, including edge cases matching no categorisation rule.

Stack: Next.js 16 · React 19 · Supabase · transformers.js · Recharts · Tailwind v4

Additional work in commercial cleaning operations — Postgres row-level security, locked-transaction job assignment, web push — available to discuss; repository private pending client sign-off.

EDUCATION

Technologist Degree in Systems Analysis and Development — FIAP, Brazil
2024 – 2025 · Equivalent to an Australian Associate Degree / Advanced Diploma in Information Technology

English Language Studies (ELICOS) — Pacific English Study, Brisbane QLD
2026 – present · Full-time

LANGUAGES & AVAILABILITY

Languages: Portuguese (native) · English (intermediate, in full-time study)

Availability: 24 hours per week (student visa work rights, 48 hours per fortnight); unrestricted during scheduled course breaks. Based in Brisbane — remote or on-site across AEST.