

Igor Nahan Souza de Abreu

Full Stack Developer | Node.js (NestJS, Fastify) | TypeScript | PostgreSQL | AI

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PROFESSIONAL SUMMARY

Full Stack Developer with 2+ years of experience building scalable applications. Specialized in the Node.js ecosystem (NestJS, Fastify) and PostgreSQL databases, with a focus on Clean Architecture, DDD and performance optimization.

EXPERIENCE / PROJECTS

Full Stack Developer, Encibra 05/2025 – Present

- **Built NestJS APIs** for construction project management and contract oversight, enforcing business rules and governance.
- **Data modeling and optimization** (schedules and progress measurements) with PostgreSQL, Prisma and Redis for high performance and consistency.
- **Standardized environments with Docker**, streamlining local development, automated test runs and parity with production.
- **AWS integration and architecture**, using **S3** for document storage and auditing, **SQS** queues to decouple messaging and **Lambda** functions for asynchronous, event-driven processing.
- **Production support and debugging**, mitigating operational bottlenecks and shipping hotfixes with transactional scripts and rollback plans.

Full Stack Developer, Pará Military Police (PMPA) 02/2024 – 05/2025

- **Asynchronous processing architecture** with Fastify, Redis and BullMQ (background jobs), offloading heavy routines to maximize API availability.
- **Performance and reporting optimization**, cutting calculation processing time from 1 minute to just 2 seconds through caching and asynchronous queues.
- **Infrastructure and orchestration**, managing Linux servers with Docker and Docker Swarm for high availability, an Nginx reverse proxy and automated SSL certificates.
- **React front-end optimization**, applying memoization and state management and reducing re-renders on highly complex analytics screens.

AI-Powered Personal Finance Manager, Personal project 2026

- **Personal finance web app** built with Rust (Axum), React and PostgreSQL, using a local LLM via Ollama (Qwen3).
- **Open Finance integration via Pluggy** to connect bank accounts and sync transactions automatically.
- **AI features:** chat about the user's finances, insight generation, automatic category naming and personalized investment tips based on the investor profile.

OPEN SOURCE CONTRIBUTIONS

BullMQ – taskforcesh/bullmq, issue #4831 2026

- **Diagnosed and reported a critical Worker bug:** a retry loop with no delay when the Redis connection is closed during `close()`, pinning the CPU at 100% and blocking the event loop.
- **Root cause analysis with a minimal reproduction script;** the fix was merged and released in version **6.3.10**.

EDUCATION

Software Analysis and Development – Technologist Degree, ESTÁCIO 04/2024 – 07/2026

SKILLS

Back-end

Node.js, NestJS, TypeScript, JavaScript, Fastify, Prisma, SQL, BullMQ

Front-end

JavaScript, React.js, Next.js

Databases & Caching

PostgreSQL, Redis, MongoDB

DevOps & Cloud

Docker, AWS (S3, SQS, Lambda), Nginx, Linux, Git