

MATHEUS M.M. FRARESSO

Senior Full-Stack Engineer

Curitiba, Brazil (UTC-3) | Open to Remote Work

matheusmfraresso@gmail.com | +55 41 9 8439-8092

linkedin.com/in/dev-matheus-fraresso | github.com/MatheusFraresso

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 6+ years building scalable, high-performance web applications in the TypeScript/JavaScript ecosystem. Deep expertise in Next.js, NestJS, microservices, and Prisma and TypeORM— including schema design, migrations, and query optimization. Experienced with multi-tenant architectures, real-time systems ([Socket.io](https://socket.io) and Server Side Events), data caching strategies, and production monitoring at scale. Daily user of AI-assisted coding tools including Claude Code and Cursor agent for development acceleration, code generation, debugging, and refactoring. Comfortable in fully remote, fast-paced environments with CI/CD pipelines, AWS infrastructure, and cross-functional collaboration.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, Python

Frontend: Next.js (App Router, Server Components, Suspense, SSR/CSR), React.js, TanStack Query, TailwindCSS, Vue.js, Nuxt.js, Responsive Design, Code Splitting, Lazy Loading

Backend: NestJS, Node.js, REST API Design, Microservices Architecture, Authentication (JWT, OAuth), Socket.io, BullMQ, Real-time Systems

ORM & Databases: Prisma ORM (schema design, migrations, seeding), TypeORM, Mongoose, PostgreSQL, MariaDB, MongoDB, SAP HANA

Cloud & DevOps: AWS (CloudWatch, EC2, S3, ECS, Lambda, SQS, RDS, CloudFront), GCP, Docker, CI/CD (GitHub Actions, GitLab CI/CD), Azure DevOps, Firebase, Heroku, Elastic APM

AI & Tooling: Claude Code (AI-assisted development, sub-agent orchestration), Cursor, VS Code, Git, Figma, npm/ pnpm workspaces, SonarCloud

Architecture: Multi-tenant Architecture, Clean Architecture, Hexagonal Architecture, DDD, TDD, System Design, Connection Pooling, Horizontal Scaling, Agile/Scrum

PROFESSIONAL EXPERIENCE

Senior Full-Stack Engineer

G2i Inc. | Mar 2026 – Present | Remote (US Client)

- Engaged through G2i, a vetted talent network for senior JavaScript engineers, to deliver a project for an important US-based client.
- Worked with Next.js and AI-related technologies in a fast-paced, fully remote environment, using Claude Code and Cursor as primary development tools. Operated within a pnpm monorepo workspace. (Details under NDA.)

Senior Full-Stack Engineer

LW Tecnologia | Apr 2024 – Mar 2026 | Curitiba, Brazil (Hybrid)

- Architected and delivered a B2B vehicle marketplace (lwauto.com.br) processing 4,000+ listings and facilitating hundreds of business-to-business transactions across multiple client portals, directly increasing fleet revenue opportunities.
- Designed NestJS microservices with Prisma ORM and MariaDB, applying hexagonal architecture, connection pooling, data caching, and query optimization to serve high-concurrency workloads with consistent performance.
- Built pixel-perfect, responsive frontends with Next.js (App Router, SSR, CSR, code splitting, lazy loading), optimizing load times and SEO across all portal surfaces.
- Implemented real-time features using Socket.io for live data updates across client-facing portal interfaces, enabling event-driven communication between backend services and frontend.

- Architected and developed a web application integrating Brazil's Free Flow tolling system to automate vehicle fleet management processes. (Details under NDA.)
- Maintained production systems using Elastic APM and AWS CloudWatch for monitoring, troubleshooting, and performance profiling across the full stack.
- Integrated third-party APIs and services, managing authentication flows (JWT/OAuth, Basic, Bearer token), data synchronization, and error handling across distributed systems.

React Freelance Developer

Freelance | Nov 2021 – Present | Remote

- Delivered custom web solutions for clients across industries, including Irrigate (irrigate.com.br), modernizing legacy codebases and implementing new features with timely delivery.

Lead Full-Stack Developer

Golive Consultoria (SAP Partner) | Jun 2022 – Nov 2023 | Curitiba, Brazil

- Designed and delivered ERP-integrated applications with NestJS, MongoDB, and SAP HANA, building multi-tenant data access patterns with isolation per client.
- Improved API query performance by up to 200% through advanced MongoDB optimizations, indexing strategies, and caching layers.
- Built a reusable React/TailwindCSS component library enabling rapid deployment of white-label platforms for multiple clients, cutting UI development time by 30%.
- Implemented CI/CD pipelines with GitHub Actions, GitLab CI/CD, Firebase, and Heroku, standardizing the company's DevOps workflow and accelerating deployment cycles.
- Developed and shipped 3 full-stack applications during tenure while mentoring junior developers on clean code practices and agile workflows.

Full-Stack Developer (Intern to Junior)

+A Educação / Imersys | May 2020 – Apr 2022 | Porto Alegre, Brazil (Remote)

- Developed EdTech platforms with Vue.js, Nuxt.js, Node.js, PostgreSQL, and MongoDB, serving thousands of concurrent users across college campuses nationwide.
- Implemented authentication and authorization flows using JWT and OAuth 2.0, ensuring secure multi-user access patterns.
- Collaborated with a Scrum team to build and deploy a successful learning application used in colleges throughout the country.

EDUCATION

Bachelor's in Computer Science

Universidade Federal do Paraná (UFPR) | 2018 – 2024

- Final project: performance benchmarking of relational vs. non-relational databases (PostgreSQL vs. MongoDB) at scale.

LANGUAGES

Portuguese: Native | **English:** Full Professional Proficiency