Matheus Rodrigues

Backend Software Engineer | Node.js, TypeScript, PostgreSQL, AWS, REST APIs

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PROFESSIONAL SUMMARY

Software Engineer focused on back-end development, REST APIs, integrations, asynchronous processing, observability, and production support. Hands-on experience with Node.js, TypeScript, PostgreSQL, MySQL, Prisma, AWS, GitLab CI/CD, New Relic, JWT, and RBAC, working on billing flows, system reliability, critical deployments, and operational stability.

TECHNICAL HIGHLIGHTS

- Reduced the error rate of critical billing endpoints from 100% to 0% by fixing invoice flow, one-off purchases, credits, and payment status handling.
- Eliminated IUGU timeouts and HTTP 429 responses by implementing queue-based workers and asynchronous processing, stabilizing billing and webhook flows in production.
- Investigated and fixed AWS deployment and runtime issues, eliminating recurring application crashes and stabilizing production environments.
- Built QRFluid, a SaaS product running in production across 4 sites, with 10+ operators, 400+ people clocking in daily, and 15k+ monthly records.

CORE SKILLS

Back-end	Databases
Node.js, TypeScript, Express.js, REST APIs, webhooks, queues, workers, idempotency, retry, JWT, RBAC, business rules, B2B integrations	PostgreSQL, MySQL, Prisma, SQL, Supabase, Neon, relational modeling, data consistency
Cloud & Production	**Observability**
AWS EC2, ALB, CodeDeploy, S3, Lambda, CloudWatch, PM2, Docker, GitLab CI/CD, Render, Vercel	New Relic, structured logs, tracing, troubleshooting, health checks, incident response, production diagnostics

PROFESSIONAL EXPERIENCE

Carteiro Amigo | Backend Software Engineer

Jan 2026 – Present | Node.js, Express.js, MySQL, AWS, GitLab CI/CD, New Relic

- Fixed a critical invoice-processing failure, reducing the error rate of impacted endpoints from 100% to 0% after correcting invoice, purchase, and credit flows.
- Eliminated IUGU timeouts and HTTP 429 responses using queue-based processing and workers, improving the operational resilience of billing and webhook flows.
- Worked on payment integration improvements with webhooks, asynchronous jobs, event deduplication, safe retry strategies, and rate-limit control.
- Investigated and resolved AWS deployment and runtime issues across EC2, CodeDeploy, ALB, PM2, health checks, and Node version compatibility, stabilizing the application in production.

D0 Logistics | IT Manager | Technical Work in Backend Integrations

Sep 2023 – Present | REST integrations, TMS/WMS, operational monitoring

- Contribute technically to the implementation, evolution, and support of backend integrations between internal systems and client platforms, including documentation, code implementation, and support for a third-party TMS.
- Supported and maintained an integration processing more than 1,000 orders per day, monitoring operational failures, data consistency, and continuity of logistics operations.
- Continuously monitor production integrations and translate business rules from operations into technical flows with direct impact on logistics processing.

QRFluid | Founder and Software Engineer

2024 – Present | Node.js, TypeScript, React, PostgreSQL, Prisma, Supabase, Render, Vercel, JWT, RBAC

- Built QRFluid, a QR code-based access control and attendance SaaS focused on back-end development, REST APIs, authentication, business rules, and multi-site operations.
- Implemented JWT authentication, RBAC, QR code generation and scanning, operational dashboards, and exports by date and location.
- Production solution serving 4 sites, 10+ operators, 400+ people per day, and 15k+ monthly records, with emphasis on low cost, stability, and scalability.

EDUCATION

Bachelor's Degree in Computer Science — Federal Rural University of Rio de Janeiro | 2016 – 2023

LANGUAGES

Portuguese: Native | **English:** Intermediate reading proficiency for technical documentation and development tools