

JOÃO VICTOR NEGREIROS DA SILVA

Senior Software Engineer (Backend / Platform)

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PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years of experience building, rewriting, and scaling production systems, with a strong focus on backend architecture, payments and billing platforms, and legacy system migrations. Heavy Cursor / AI-assisted workflow user who builds agent harnesses and automations so repetitive work from coding and reviews to task tracking is done once and reused. Proven track record of owning end-to-end delivery, leading complex technical initiatives, and collaborating closely with product teams to deliver reliable, high-impact software in real-world production environments.

EXPERIENCE

[Quave](#)

Apr 2024 – Present

Senior Software Engineer / Tech Lead

- Leading the rewrite of a large-scale reverse logistics platform, migrating a legacy system from PHP, React.js, and MySQL to a modern Meteor.js and MongoDB architecture
- Optimized platform performance using MontiAPM and Grafana, addressing missing indices and CPU bottlenecks that caused 5+ second page loads
- Acting as technical lead for the platform, defining architecture decisions, engineering standards, and code review practices; onboarding new developers via pair programming
- Working closely with Product Owners to prioritize work and align technical decisions with business goals and customer needs
- Migrated the largest customer account (+500 users, highest revenue) from legacy to the new platform
- Designed audit, compensations, RBAC, and whitelabel modules; integrated VTEX refunds (card, Pix, voucher) for high-volume clients
- On a swim team management platform: improved website editor performance; rebuilt bulk printing into an async queue (12k+ documents); built a communication module; and shipped the Cordova mobile app to Google Play and the App Store
- Built an in-repo Cursor AI harness (skills and commands) for end-to-end GitHub workflows: agents open issues, implement changes, and open PRs, with automated checks for code quality, security, performance, and Meteor 3 compatibility, speeding PR cycles and catching bugs/performance issues before shipping
- Apply AI day-to-day across engineering workflows (implementation, reviews, and task tracking) with a bias toward automating anything done more than once

Key outcomes:

- Successfully delivered and stabilized a high-traffic production platform with low incident rates
- Enabled safe migration of critical business workflows from a legacy system to a modern stack
- Faster PR cycles and earlier detection of bugs and performance issues via Cursor agent workflows before code reaches production

[Quave](#)

Apr 2023 – Mar 2024 (Quave Cloud support ongoing)

Software Engineer (Backend / Full Stack)

- Joined Quave during the first year of Quave Cloud, acting as the main engineer responsible for core product features
- Built and evolved a B2B/B2C cloud platform focused on simplifying infrastructure provisioning and environment management

- Owned the entire payments and billing domain (100+ customer accounts), including subscriptions, one-time purchases, and usage-based billing
- Implemented and maintained Stripe integrations (BRL and USD), handling pricing logic, webhooks, gateway communication, and error handling
- Implemented “Deploy by Image,” members/permissions RBAC, and AES-256-CBC encryption for sensitive fields; contributed to Quave Cloud API (Go) and CLI
- Led payment implementations across Apple App Store, Google Play, and Stripe, centralizing subscription logic using RevenueCat
- Delivered complex zero-downtime data migrations from MongoDB and Firebase into a unified production platform
- Worked directly with clients during migration and rollout phases, supporting production releases

Key outcomes:

- Delivered a full platform rewrite to production in approximately 5 months
- Supported multi-platform billing flows handling real-money transactions across multiple currencies

[Dataside](#)

Jun 2021 – Sep 2022

Backend Developer (Intern)

- Designed and implemented the full architecture of an internal gamified platform, replacing a manual, form-based process
- Built a serverless backend using Azure Functions (TypeScript), including authentication and authorization flows
- Provisioned cloud infrastructure on Azure using Terraform, including SQL Server, Service Bus, Storage, and Key Vault
- Set up CI/CD pipelines and managed deployments, environment configuration, and cloud services
- Onboarded and mentored 5+ developers, creating technical roadmap documentation and a code challenge framework used for hiring

EDUCATION

IFPB, Instituto Federal da Paraíba Bachelor’s Degree in Computer Engineering (2020 – 2025) Data Structures and Algorithms, Databases, Operating Systems, Software Engineering, Graph Theory

TECHNICAL SKILLS

- **Languages & Runtime:** JavaScript, TypeScript, Node.js, Go
- **Frameworks & Platforms:** Meteor.js, React, React Native, Cordova
- **Databases:** MongoDB, MySQL, SQL Server
- **Payments & Billing:** Stripe, RevenueCat, Apple App Store, Google Play, VTEX
- **Cloud & DevOps:** Azure, Azure Functions, Terraform, CI/CD
- **AI & Developer Tooling:** Cursor (skills, commands, agent workflows), AI-assisted engineering, workflow automation
- **Messaging & Integration:** RabbitMQ, Webhooks
- **Core Practices:** Backend Architecture, System Design, Legacy System Rewrites, Data Migrations, Code Reviews, Technical Leadership