GUILHERME FREITAS

Senior Backend Software Engineer | Tech Lead

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PROFESSIONAL SUMMARY

Backend Software Engineer with experience building and scaling large SaaS applications, specializing in software architecture, relational databases, cloud infrastructure, and multi-tenant systems. Currently Tech Lead of a SaaS platform serving 50,000+ users, leading a team of 2 developers and owning architecture, technical decisions, planning, estimation, and direct client interface. Led an architectural simplification that reduced projected infrastructure costs from ~R$792K/year to ~R$84–108K/year (an 86–89% reduction) while maintaining production and staging environments.

TECHNICAL SKILLS

Backend Development, Software Architecture, Multi-tenant Systems, Relational Databases (PostgreSQL, SQL), REST API Design, Cloud Infrastructure (Azure), Asynchronous Processing, Caching & Search (Redis, Elasticsearch), Containerization (Docker), CI/CD, Test-Driven Development, Performance Engineering, Observability, Git, JavaScript/TypeScript, Vue.js, Ruby on Rails, Java, Spring Boot

PROFESSIONAL EXPERIENCE

Senior Consultant / Tech Lead — KPMG *Brazil | Apr 2025 – Present*

- Principal technical reference for a SaaS platform with 50,000+ users, leading 2 internal developers plus outsourced contributors.
- Implemented AI features integrated into the SAE workflow that saved over 350 hours per month.
- Own technical distribution of work, code reviews, development standards, unblocking, sprint planning, estimation, deadlines, and delivery tracking.
- Primary technical point of contact with the client, leading requirements gathering, scope definition, estimation, deadline negotiation, demos, and solution decisions.
- Own end-to-end architecture, including backend, database, frontend, APIs, asynchronous jobs, integrations, SSO, OpenAI, Power BI, storage, and cloud infrastructure (Azure).
- Led a major framework and language version upgrade of the core platform, modernizing the stack and improving security and maintainability.
- Led an architectural simplification that cut projected infrastructure costs from ~R$792K/year to ~R$84–108K/year (86–89%), consolidating search into the primary database's full-text search and moving background job processing to a managed, dedicated service.
- Optimized performance through query tuning, selective use of hand-optimized SQL, and right-sizing infrastructure based on metrics.
- Restructured CI/CD with separate build, security, and test stages; introduced static analysis, dependency auditing, and parallelized testing, significantly reducing pipeline time.
- Introduced TDD practices and structured controlled release/deployment processes, increasing delivery predictability and safety.

Software Developer — AZ Tecnologia em Gestão *Campo Grande, Brazil | Jul 2024 – Apr 2025*

- Delivered 25+ backend features for a system used by 50+ public sector agencies.
- Optimized processing routines, reducing resource consumption by 40% and improving response time by 60%.
- Implemented strategic integrations, increasing system reliability and usability.

Software Developer — Cast Group *Brazil | May 2023 – Jul 2024*

- Maintained and evolved 5+ legacy systems, fixing critical bugs and implementing new features.
- Contributed to a platform used by 50,000+ users in the public education sector and led a legacy refactoring initiative.

PROJECTS

Founder & Developer — Locanza — Equipment Rental Management SaaS

- Independently built a full ERP platform for equipment rental companies, covering inventory, logistics, financial management, income-statement (DRE) reporting, rental workflows, and customer management.
- Owned architecture, backend, frontend, infrastructure, deployment, and product development end-to-end.
- Attending more than 50 customers.

EDUCATION

B.Sc. in Computer Science — GPA 3.9 | 2021 – 2025
Universidade para o Desenvolvimento do Estado e da Região do Pantanal, Brazil

Postgraduate Specialization in Cybersecurity — In Progress | 2026 – Present
Universidade para o Desenvolvimento do Estado e da Região do Pantanal, Brazil

ADDITIONAL INFORMATION

Languages: English (C1), French (A1), Portuguese (Native)