

HENRIQUE DE LIMA BARROSO

Software Development Engineer | .NET · React · Microservices · Azure Cloud

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SUMMARY

Full Stack Software Engineer with 5+ years of experience designing and delivering scalable, secure distributed systems. Specialized in microservices, REST APIs, and cloud-native development, with strong hands-on expertise in CI/CD, automated testing, and application security (OAuth 2.0/JWT). Proven track record as Tech Lead guiding engineering teams, driving architectural decisions, and mentoring developers in agile environments. Experienced contributing to products serving thousands of end users.

EXPERIENCE

Software Development Engineer | **Stefanini Brasil — Consultant for Dell Technologies** | Dec 2025 – Present · Remote

- Build enterprise-grade features using React/TypeScript and ASP.NET Core for global Dell corporate systems, contributing to a distributed architecture serving thousands of internal users across multiple geographies.
- Contribute to system design discussions and architecture reviews within a globally distributed engineering team, providing input on API resilience, fault tolerance, and performance in a high-availability corporate platform.

Career Development Break | **ICOT International College** | Mar 2025 – Nov 2025 · Cork, Ireland

- Intensive English immersion program focused on professional communication for global engineering roles, improving fluency, cross-cultural collaboration skills, and adaptability in international work environments.

Software Development Engineer | **Dti Digital — Consultant for Anima Educação & SuperMix** | May 2021 – Feb 2025 · Belo Horizonte, Brazil

- Implemented event-driven microservices using ASP.NET Core and Azure Service Bus, enabling horizontal scalability during peak demand periods.
- Acted as Security Champion for the squad — led security checklist reviews (CIA triad, LGPD compliance, SAST/DAST), drove remediation of vulnerabilities flagged by static analysis, and reinforced secure-by-default practices across code reviews and user story refinement.
- Stepped up as Tech Lead, owning code review processes and setting architectural standards that improved codebase consistency and reduced technical debt.
- Mentored junior developers on clean architecture, SOLID principles, and testing best practices, significantly reducing average onboarding time.
- Diagnosed and resolved recurring SQL Server performance issues on high-traffic endpoints, analyzing execution plans, adding missing indexes, and introducing caching where appropriate.
- Contributed to redesigning a synchronous provisioning flow into an event-driven async pipeline (Azure Service Bus topic/subscriber pattern), drastically reducing timeout errors.

Full Stack Developer | **Minas Vale Tecnologia** | Dec 2020 – May 2021 · Diamantina, Brazil

- Developed mobile features in React Native and REST APIs using Django/Python, delivering user stories across multiple sprints.
- Participated in the full requirements lifecycle: refinement, user story creation, prototyping, and client demos to align deliverables with business expectations.

System Analyst | **Centro Especializado em Reabilitação — CER II** | Jun 2020 – Nov 2020 · Diamantina, Brazil

- Maintained and improved internal hospital management systems, ensuring high availability for critical clinical workflows.

PROJECTS

Tech Lead (Volunteer) | Fundo Social Vale do Jequitinhonha | Sep 2023 – Dec 2024 · Remote

- Led end-to-end development of FeiraKit — a React Native mobile app backed by a Flask REST API and MongoDB connecting rural producers with local consumers in the Jequitinhonha Valley — from architecture to a production-ready handover.
- Designed and taught a programming fundamentals curriculum to 30 participants from diverse backgrounds (students, career changers, and aspiring developers), selecting the top 8 to contribute to the application codebase.

EDUCATION

BSc in Information Systems | Universidade Federal dos Vales do Jequitinhonha e Mucuri | Jun 2016 – Jun 2022 · Diamantina, Brazil

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, SQL, Java (fundamentals)

Frameworks: ASP.NET Core, React, React Native, Vue.js, Django, Flask

Cloud & DevOps: Azure (Service Bus, DevOps, Application Insights), Cloud Foundry, Docker, CI/CD

Databases: SQL Server, MongoDB, PostgreSQL

Security: OAuth 2.0, JWT, OIDC, LGPD

Practices: Microservices, REST APIs, Clean Architecture, SOLID, DDD, TDD, Scrum/Kanban

Languages: Portuguese (Native), English (Advanced)