Gustavo Reis Bauer

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About

I specialize in software engineering with a strong focus on **Go development and web architecture**. My experience includes working with scalable backend services, cloud platforms, and database optimizations. I am passionate about solving complex challenges and improving system performance. I have worked on large projects with national and international relevance in information security and cloud platforms.

Technical Skills

- **Languages**: Go, TypeScript, Ruby, JavaScript, C, Rust, Zig
- **Web Architecture**: Microservices, REST APIs, GraphQL, Message Queues
- **Cloud & DevOps**: AWS, Kubernetes, CI/CD (GitHub Actions, BitBucket Pipelines)
- **Databases**: MongoDB (familiar), PostgreSQL, MySQL

Experience

Software Engineer (Go, Web Architecture) – Rocket.Chat *(Jan 2024 - Present)*

- Created an app for verifying the identity of omnichannel contacts, serving hundreds of thousands of users daily.
- Led the migration of MongoDB drivers **within AWS-based cloud services** to newer supported versions.
- Assisted community members in GitHub contributions, providing thorough reviews and technical support.
- Drafted and reviewed several Architectural Decision Records (ADRs) on topics such as **cloud reliability, Kubernetes deployments, and system scalability**.

Backend Developer (Go, Web Architecture) – Minha Visita *(May 2022 - Dec 2023)*

- Led the adoption of CI/CD practices, significantly reducing development time with automated Android and iOS builds.

- Migrated a legacy PHP system to TypeScript, leveraging modern frameworks like NestJS, MikroORM, and Jest.
- Conducted performance tests on critical areas, **optimizing a reporting service written in Go**.
- **Developed and maintained backend services in Go**, ensuring high performance and scalability.
- Introduced unit and integration testing, enhancing confidence in team deliveries.

Software Engineer – Bee Touch *(Nov 2021 - May 2022)*

- Developed a psychological assessment platform for tens of thousands of users, using algorithms to assess psychological stability for high-risk work environments.

Software Development Intern – Scopi *(Feb 2021 - Nov 2021)*

- Developed and maintained features for a SaaS management system using AngularJS, Ruby on Rails, and MySQL.
- Worked with AWS Cloud infrastructure and implemented CI/CD pipelines using Git and BitBucket.

Education

Bachelor's Degree in Information Systems

FACCAT - Faculdades Integradas de Taquara *(Jan 2021 - 2026)*

- Teaching assistant for Programming II, helping students learn low-level programming concepts using C.
- Assisted peers in Discrete Mathematics, covering formal logic, set theory, and graph theory.
- Conducted research on distributed algorithms in the compilation process, developing two compilers (traditional and distributed) and comparing their performance.
- Maintained an average grade of 9.5 in a nationally recognized program with the highest rating from MEC.

Vocational Degree in IT

Escola Técnica Estadual Monteiro Lobato

- Engaged in various projects, gaining hands-on experience with multiple technologies.
- Served on the student council, advocating for student improvements.
- Final project applied AI and neural networks to identify melanoma signs in images.

Languages

- **Portuguese** – Native
- **English** – Fluent
- **Russian** – Basic (started learning in December 2024)