

ROBERTO PAES

Senior Full Stack Engineer | DevOps & Systems Architect

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PROFESSIONAL SUMMARY

Full Stack & DevOps Engineer with 7 years of experience designing, building, and deploying high-impact software solutions. Specialized in the PHP ecosystem (Laravel / TALL Stack) and in building high-performance, distributed systems using Go (Golang) and Node.js.

Skilled in crafting scalable architectures for real-time communication via WebSockets/gRPC and seamlessly integrating cloud technologies. Strong background in technical education with a deep focus on Developer Experience (DX), software design principles, and reliable engineering practice.

TECHNICAL SKILLS

- **Languages:** Go (Golang), PHP (Laravel / TALL Stack), JavaScript / TypeScript (Node.js), C#, Java.
- **Frontend & Mobile:** Flutter, PWA, WebSockets, HTML5, CSS3, Tailwind CSS, Alpine.js.
- **DevOps, Cloud & Architecture:** AWS (S3, SES), gRPC, Microservices, Distributed Systems, Selenium, CI/CD pipelines, System Architecture.
- **Databases & Testing:** PostgreSQL, MySQL, MS SQL Server, Unit & Integration Testing (xUnit, PHPUnit).

PROFESSIONAL EXPERIENCE

Senior Full Stack Engineer & Systems Specialist | *Contract / Freelance (PJ)*

Jan 2024 – Present | Rio de Janeiro, Brazil

- **Architected and engineered distributed systems and microservices** using **Go, PHP, gRPC, and WebSockets**, delivering high-throughput real-time data processing.
- **Built advanced background automation systems** and software bots leveraging Selenium to optimize operational workflows and eliminate manual tasks.
- **Integrated AI-driven assistants** and engineered backend systems specifically tailored for Healthtech and Medical Care applications.

TaOn | *Software Engineer / Systems Analyst*

Aug 2023 – Mar 2024 | Rio de Janeiro, Brazil

- **Modeled software architecture** using UML diagrams to establish clean design patterns and bridge communication between cross-functional teams.
- **Designed and standardized internal reusable libraries**, significantly increasing developer productivity and feature delivery speed.

- **Developed Go-based microservices** integrated with AWS services (S3, SES) and supported **Flutter mobile applications**, ensuring high code quality via unit and integration tests.

Target Bank | Software Engineer / Systems Analyst

Oct 2021 – Jul 2023 | Rio de Janeiro, Brazil

- **Engineered fintech and banking solutions**, utilizing **C#, WCF, and Microsoft SQL Server** to maintain high availability and transactional accuracy.
- **Developed and maintained enterprise mobile applications** using **Flutter and Java**.
- **Maintained system reliability and code quality** by enforcing rigorous automated testing practices with **xUnit**.

Instituto Infnet | Technical Instructor & Teaching Assistant

Mar 2022 – Aug 2024 | Rio de Janeiro, Brazil

- **Mentored and instructed software engineering students** across Full Stack Bootcamps, guiding them in hands-on application development and software architecture.
- **Led technical support and code review sessions**, helping students debug complex issues and master core programming principles.
- **Fostered soft skills and structured problem-solving methodologies** to prepare students for real-world software engineering environments.

EDUCATION

- **Bachelor's Degree in Systems Analysis and Development** — *PUC MG* (In Progress, Expected Completion: 2027)
- **Full Stack Software Engineering Bootcamp** — *Instituto Infnet* (Completed: 2021)