

ELIÃ RAFAEL DE LIMA BATISTA

77-992-5544 | o.elia.batista@gmail.com | linkedin.com/in/e-batista | elbatista.github.io

6963 Pregassona, TI, Switzerland

EDUCATION

Ph.D. in Informatics

Università della Svizzera Italiana (USI)

2021 – Present

Lugano, Switzerland

M.Sc. in Computer Science

Pontifical Catholic University of Rio Grande do Sul (PUC-RS)

2018 – 2020

Porto Alegre, Brazil

B.Sc. in Computer Science

Pontifical Catholic University of Rio Grande do Sul (PUC-RS)

2006 – 2011

Porto Alegre, Brazil

PROFESSIONAL SUMMARY

Experienced **Java Software Engineer** and distributed systems specialist with over **10 years** in backend engineering, system design, and high-performance architectures. Strong expertise in **Core Java**, **RESTful API development**, and scalable microservices. Proven track record delivering robust, maintainable, and business-driven solutions in agile environments. Passionate about clean architecture, performance optimization, code quality, and driving sustainable long-term technical improvements.

PROFESSIONAL EXPERIENCE

Research and Development

Università della Svizzera Italiana (USI)

2021 – Present

Lugano, Switzerland

- Designed and implemented high-performance backend components for fault-tolerant distributed systems in **Java**, focusing on scalability, reliability, and state management.
- Developed internal system services and tooling on **Linux**, optimizing performance and ensuring high availability across replicated systems.
- Collaborated with researchers to analyze complex system requirements and deliver clean, well-designed software aligned with real-world constraints.
- Mentored students on systems programming, operating systems, distributed algorithms, and software architecture best practices.

Senior Software Developer

Compasso UOL

2017 – 2020

Brazil, RS

- Developed and maintained front and backend services using **JavaScript** and **Node.js**, contributing to architecture decisions for enterprise-grade applications.
- Designed and implemented **RESTful APIs** used by large-scale web and mobile systems, ensuring performance, security, and maintainability.
- Led code reviews, improved CI/CD workflows, and introduced engineering practices that raised code quality and reduced defects.

System Analyst

Bem Promotora

2014 – 2017

Brazil, RS

- Developed and maintained **ERP modules** for a credit payroll loan financial company linked to Banrisul, a major bank in Southern Brazil.

- Analyzed, documented, and communicated new system features to the development team to improve business process efficiency.
- Implemented complex business rules and data processing using **SQL Server** stored procedures for accurate loan management and reporting.

Software Developer 2010 – 2013
DBServer *Brazil, RS*

- Developed and customized ERP modules tailored for a major fuel retail network (Ipiranga) in Brazil, improving operational efficiency and sales tracking.
- Integrated and managed backend logic with **SQL Server** for efficient data storage and retrieval.

Software Developer 2008 – 2010
Vensis *Brazil, RS*

- Built and maintained general-purpose ERP modules, adaptable for various enterprise environments.
- Optimized **SQL Server** queries and stored procedures to boost system performance and data consistency.

SKILLS

Languages: English (fluent), Italian (intermediate), Portuguese (native).

Programming Languages: Java, JavaScript, SQL, Go, C/C++, Python.

Backend Technologies: Core Java, Spring Boot (basic), REST APIs, Microservices, Multithreading, Concurrency, Linux environments.

Databases: SQL Server, PostgreSQL, MongoDB.

Cloud & DevOps (Familiar): Azure Cloud Services, AWS, containerization.

Tools & Platforms: Git, Maven, Gradle, CI/CD pipelines, Docker, VS Code, IntelliJ IDEA.

Soft Skills: Requirements analysis, technical leadership, mentoring, problem-solving, cross-team collaboration.