

ELIÃ RAFAEL DE LIMA BATISTA

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6963 Pregassona, TI, Switzerland

EDUCATION

PH.D. in Informatics <i>Università della Svizzera Italiana (USI)</i>	2021 – Present <i>Lugano, Switzerland</i>
M.Sc. in Computer Science <i>Pontifical Catholic University of Rio Grande do Sul (PUC-RS)</i>	2018 – 2020 <i>Porto Alegre, Brazil</i>
B.Sc. in Computer Science <i>Pontifical Catholic University of Rio Grande do Sul (PUC-RS)</i>	2006 – 2011 <i>Porto Alegre, Brazil</i>

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 <i>Università della Svizzera Italiana (USI)</i>	2021 – Present <i>Lugano, Switzerland</i>
<ul style="list-style-type: none">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 <i>Compasso UOL</i>	2017 – 2020 <i>Brazil, RS</i>
<ul style="list-style-type: none">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 <i>Bem Promotora</i>	2014 – 2017 <i>Brazil, RS</i>
<ul style="list-style-type: none">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.