

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

Senior Software Engineer with extensive experience in backend system design, high-availability architecture, and distributed systems. Proficient in **Java**, **Go**, **Node.js**, and **ReactJS**, with strong expertise in RESTful API design, relational (MySQL, SQLServer) and distributed NoSQL databases (Mongo, Firebase). Experienced in capacity planning, performance optimization, debugging, and cloud deployment, with a focus on scalability, reliability, and security. Demonstrated technical leadership, mentoring, and cross-team collaboration skills.

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 backend services and distributed system components using Go, Java, and Python with a focus on high availability, fault tolerance, and performance optimization.Managed Linux clusters and distributed environments for testing and research, simulating large-scale deployments and recovery scenarios.Provided mentorship and guidance to junior engineers and students on system architecture, debugging, and code optimization.Authored and reviewed technical documentation for distributed components and API design.	
Senior Software Developer <i>Compasso UOL</i>	2017 – 2020 <i>Brazil, RS</i>
<ul style="list-style-type: none">Developed scalable backend and frontend services and RESTful APIs using Node.js and ReactJS, integrating with relational and NoSQL databases for enterprise applications.Led backend development projects, ensuring adherence to high-availability standards, fault-tolerant design, and efficient data handling.Collaborated with cross-functional teams to define technical strategy, project priorities, and deliverables.Participated in projects with CI/CD pipelines and containerized deployments using Docker.	
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: Go, Java, Python, JavaScript, SQL, Bash Script.

Backend & Systems: RESTful API design, high-availability systems, distributed systems, debugging, performance optimization.

Databases: SQLServer, MySQL, MongoDB, Firebase.

Cloud & DevOps: Linux, Docker, CI/CD pipelines, cloud deployment.

Leadership: Technical leadership, mentoring, cross-team collaboration, project strategy and roadmap support.

Soft Skills: Analytical problem-solving, capacity planning, experimental mindset, Agile methodologies.