

ELIÃ RAFAEL DE LIMA BATISTA

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6963 Pregassona, Ticino, Switzerland

Valid Swiss Work Permit / Available to relocate or commute

EDUCATION

PH.D. in Informatics	2021 – Feb 2026 (expected)
<i>Università della Svizzera Italiana (USI)</i>	<i>Lugano, Switzerland</i>
M.Sc. in Computer Science	2018 – 2020
<i>Pontifical Catholic University of Rio Grande do Sul (PUC-RS)</i>	<i>Porto Alegre, Brazil</i>
B.Sc. in Computer Science	2006 – 2011
<i>Pontifical Catholic University of Rio Grande do Sul (PUC-RS)</i>	<i>Porto Alegre, Brazil</i>

PROFESSIONAL SUMMARY

Backend-focused Software Engineer with 10+ years of experience in **Java**, distributed systems, backend services, and event-driven architectures. Strong background in **Spring/Spring Boot**, **JPA/Hibernate**, REST APIs, and messaging systems. Experience building fault-tolerant systems, developing performance-oriented backend components, and deploying production services. Passionate about financial systems, trading platforms, and scalable backend architectures.

PROFESSIONAL EXPERIENCE

Research and Development Engineer	2021 – Present
<i>Università della Svizzera Italiana (USI)</i>	<i>Lugano, Switzerland</i>
<ul style="list-style-type: none">– Designed and implemented core components for fault-tolerant distributed systems using Java, Go, and Python.– Developed high-performance replicated system modules with focus on state management, recovery, and message ordering.– Worked with event-driven designs and communication overlays relevant to atomic multicast and real-time message processing.– Administered and optimized a Linux cluster, including deployment, testing, and monitoring workflows.	
Senior Software Developer	2017 – 2020
<i>Compasso UOL</i>	<i>Brazil</i>
<ul style="list-style-type: none">– Led development of production-grade backend and full-stack applications using Java, Node.js, React, and RESTful APIs.– Integrated complex business logic and contributed to scalable, modular backend architectures.– Participated in code reviews, CI/CD, and team mentoring.	
System Analyst	2014 – 2017
<i>Bem Promotora</i>	<i>Brazil</i>
<ul style="list-style-type: none">– Developed financial and loan-processing ERP modules using SQL Server and enterprise backend patterns.– Implemented data workflows and business rules ensuring accurate settlement and reporting processes.	
Software Developer	2010 – 2013
<i>DBServer</i>	<i>Brazil</i>
<ul style="list-style-type: none">– Developed backend modules and ERP features for major retail clients using Microsoft technologies.	

- Designed efficient database procedures and optimized SQL queries for high-volume operations.

Software Developer

2008 – 2010

Vensis

Brazil

- Built general-purpose ERP modules and backend business logic.
- Optimized SQL Server operations, improving system performance and stability.

SKILLS

Java Ecosystem: Java 8–21, Spring Boot, Hibernate/JPA, Maven, Gradle.

Event-Driven & Messaging: Kafka, RabbitMQ (experience with distributed communication patterns).

DevOps & Tools: Docker, Jenkins, GitHub, CI/CD pipelines.

Databases: PostgreSQL, MySQL, SQL Server, MongoDB, FirebaseDB.

Cloud: AWS (basic), Linux server administration.

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