Eliã Rafael de Lima Batista

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6963 Pregassona, TI, Switzerland

Education

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

Professional Summary

Software Engineer with extensive experience in full-stack development, specializing in **Node.js**, **ReactJs**, **Next.js**, **TypeScript**, **Java**, **Python**, and modern web technologies. Experienced in building scalable applications, integrating APIs, and fault-tolerant systems. Hands-on experience with databases (**MongoDB**, **SQLServer**, **PostgreSQL**, **Firebase**) and cloud platforms (AWS, Vercel). Passionate about developing, experimentation, performance analysis, and innovative solutions.

Professional Experience

Research and Development   2021 – Present
Università della Svizzera Italiana (USI)   *Lugano, Switzerland*
- Conducted **research and development** in distributed systems using **Java**, **Go**, **Python**, and **Bash Scripting** on **Linux** environments. Administered a **Linux cluster**, developed core replicated systems components focusing on **performance** and **fault tolerance**.

Senior Software Developer   2017 – 2020
Compasso UOL   *Brazil, RS*
- Led the development and developed scalable full-stack web applications using **ReactJS** and **Node.js**, contributing to architecture decisions and continuous integration workflows.
- Built and maintained cross-platform mobile applications with **React Native**, integrating secure and performant **RESTful APIs** for enterprise clients.
- Collaborated with UI/UX designers to implement responsive, user-centric features, improving engagement and usability across platforms.
- Contributed to **Agile** processes (**SCRUM**), code reviews, and mentoring of junior developers in modern JavaScript and mobile best practices.

System Analyst   2014 – 2017
Bem Promotora   *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 using **Microsoft** technologies 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 with **Microsoft** technologies, 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, HTML/CSS, C/C++, SQL, Go, PHP, Visual Basic.

Frameworks & Methodologies: ReactJS, Node.js, React Native, Next.js, Agile, SCRUM.

Developer Tools & Platforms: Git, Maven, Gradle, REST APIs, VS Code.

Databases & Storage: SQL Server, PostgreSQL, MongoDB, Firebase Realtime Database.

Cloud Services: Firebase (Hosting, Authentication, Functions, Database), Vercel, Basic knowledge of AWS cloud services.