

João Vitor Nascimento Villaça

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EDUCATION

Universidade de São Paulo - ICMC

Bachelor of Computer Science - Emphasis in Distributed Systems

São Carlos, São Paulo

Dec/2024

USP/Esalq

MBA in Economics, Investments and Banking

Piracicaba, São Paulo

Expected graduation: May/2027

PROFESSIONAL EXPERIENCE

Black Belt Finance — Fullstack Software Engineer

Oct/2024 – Present

- Development of investment portfolio management and financial market intelligence software. Research on Anbima pricing methodologies (PU Par, market prices), general application maintenance across all fronts, integration with Open Finance and the BTG Developer Partner API, featuring financial reconciliation, statement reconciliation, transactions, assets, and corporate events. Development of a risk analysis module with volatility metrics, Value at Risk, drawdown, Sharpe and Sortino ratios.

Luz Soluções Financeiras — Jr. Development Analyst

Oct/2023 – Apr/2024

- Development of a Banking Regulatory module, verifying compliance of DLI/DLO files with Central Bank regulations. Application of Basel III rules in management reports for financial institutions in segments S2 to S5.
- Research and formulation of a Core Banking system architecture, based on an immutable Ledger for registering financial transactions. Modeling of financial asset flows using a double-entry system. Benchmarking and development of scalable infrastructure based on Kubernetes, Apache Kafka, Superstreams, and observability via Grafana/Prometheus.

Finscool — Backend Developer Jr.

Nov/2022 – Jun/2023

- Backend development and maintenance in Node (AWS Lambda) and DynamoDB database for a financial education course platform, corporate training, and gamification of high school educational material.
- Responsible for creating and maintaining an event system based on Play Store/App Store payments and subscriptions using RevenueCat platform webhooks. Participated in the system launch for public education in São Carlos/SP using Excel spreadsheet automation, which helped register students and teachers from 40 schools into the system in one week.

CERTIFICATIONS

AWS Certified Cloud Practitioner Foundational

Aug/2023 – Aug/2026

- [Link to Badge \(Credly\)](#)

EF SET English certificate C2 proficient 73/100

- [Link to certificate](#)

Special Studies: Advanced and High-Performance Computing Systems (USP/ICMC)

- Obtained during my undergraduate studies, specialization track in distributed systems, cloud, and system architecture.
- [Link to certificate](#)

OTHER SKILLS

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

Programming languages and technologies: C/C++, Java, Golang, Docker, AWS EC2, Firebase, RabbitMQ, PostgreSQL, NodeJS, React/NextJS, .NET, Github Actions, Bash, Powershell .

Technical knowledge: Financial modeling, investment banking, risk analysis, investment performance analysis, financial reconciliation, system architecture, and cloud computing.