

Fellipe Juncal

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Professional Summary

As a passionate Software Engineer with over five years of experience, I specialize in Java, microservices, and distributed systems, with a strong focus on scalability, performance, and security. Throughout my career, I have contributed to high-impact financial systems, including the modernization of mission-critical platforms that process over R\$500 million BRL (approximately \$86.8 million USD) daily.

Beyond technical expertise, I thrive in collaborative and fast-paced environments, leveraging my knowledge in Golang, Python, and modern software practices to design robust solutions. I enjoy tackling complex engineering challenges and continuously expanding my skills to stay ahead in the industry.

I am now looking for an international opportunity where I can apply my experience, contribute to innovative projects, and collaborate with diverse teams to build cutting-edge technology.

Skills

Languages: Java, Python, Golang, C#, JavaScript, TypeScript, SQL(Oracle, PostgreSQL), NoSQL

Frameworks: Spring Boot, JavaEE, React, Angular, Next.js, Flutter

Tools & Platforms: Jenkins, OpenShift, IBM MQ, ActiveMQ, JBoss, SonarQube

Testing: JUnit, Cucumber, Citrus, Automated Testing

Soft Skills: mentorship experience, collaborative mindset

Experience

Software Engineer ANBIMA *Rio de Janeiro, Brazil* 02/2022 - Current

- Led the design and migration of the SELIC system, a critical financial platform managing over \$500M BRL daily, from COBOL to a Java Spring Boot microservices architecture, increasing scalability and uptime by 20%
- Designed and implemented real-time transaction APIs, improving system performance by 30% and resolving concurrency issues in high-volume environments
- Developed offline batch processing using Spring Batch, ensuring 99.9% system reliability during network outages and supporting large-scale transaction processing
- Led the transition from Java EE with JBoss to Spring Boot, modernizing architecture and reducing maintenance costs by 25%.
- Created automated testing frameworks with JUnit and Citrus, achieving 95% test coverage for critical validation processes

Software Engineer Intern ANBIMA *Rio de Janeiro, Brazil* 04/2020 - 02/2022

- Contributed to the development of microservices and APIs in a highly distributed system
- Assisted in migrating legacy systems and implementing modern testing practices

Projects

Vavive *Rio de Janeiro, Brazil* 03/2021 - 07/2021

- Developed a management platform for a company specializing in services, using Angular for the frontend and Spring Boot for the backend. The system featured authentication with JWT, data persistence with Spring Data JPA, and a responsive UI to enhance user experience. Implemented advanced filtering and pagination, optimizing user data access and improving operational efficiency

Bet Manager Api *Rio de Janeiro, Brazil* 09/2024 - 11/2024

- Designed a betting management system with Spring Boot, ensuring scalability, security, and high performance. Implemented user authentication with JWT, real-time communication via WebSocket, and automated reporting in PDF and CSV formats. Standardized API responses using DTOs, improving data consistency and system reliability. The system allows users to track bets, manage transactions, and generate real-time reports

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Task Manager

Rio de Janeiro, Brazil01/2021 - 03/2021

- Built a task management application in Python using Pygame to create an interactive and visually engaging interface. The application was designed to improve project productivity, featuring real-time task notifications and a dynamic UI. Integrated with local storage for task persistence, enabling users to manage their workflow effectively

Oráculo SELIC

Rio de Janeiro, Brazil11/2024 - 12/2024

- Developed a test scenario processing system for message-based microservices, designed to validate financial transactions in a distributed environment. The backend, built in Golang, processes test scenarios and test steps via messaging queues using ActiveMQ and IBM MQ, ensuring seamless integration with microservices. The frontend, developed in Next.js, provides an interface for users to create, associate, and upload test cases via spreadsheets for backend processing. The system supports PostgreSQL as its primary database, ensuring high availability and data integrity

Education

Technological Degree	Infnet Institute	Rio de Janeiro, Brazil	02/2019 - 06/2022
Bachelor's Degree in Physical Education	Fluminense Federal University (UFF)	Rio de Janeiro, Brazil	03/2012 - 06/2017

Mentorship

- University Teaching Assistant (02/2020 - 06/2020): Provided guidance in Android Development and Java Programming, assisting students in mastering programming concepts and best practices.
- Study Group Founder (05/2024 - 12/2024): Created a collaborative study group for beginners, helping over 20 participants improve their programming skills and confidence

Additional Information

- Languages: Fluent in English, Native Portuguese, Basic Spanish
- Passports: Brazilian and Portuguese