

# FABIANO OLIVEIRA

## EXPERIENCED SOFTWARE ENGINEER – DISTRIBUTED SYSTEMS SPECIALIST – TECH LEAD

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### SUMMARY

T-shaped software engineer with international experience, and over 14 years in startups and large enterprise companies. Specialist in distributed systems ranging from the SOA and monoliths on distributed clusters to the most modern microservices running on Kubernetes or serverless. I love learning new things and using them to drive a business forward. Over the years, became an expert on technologies like Java, Kotlin, Spring, Ruby on Rails, JavaScript, AWS, and cloud platforms. My passions are technology and engineering, personal and corporate finances, business management, political and social sciences, and open-source software. In the past, I contributed to two open-source projects: Localstack and Spring Localstack.

### SKILLS

- Java
- Kotlin
- Spring Framework
- Spring Boot
- Ruby
- Ruby on Rails
- Javascript
- React.js
- Python
- Golang
- PostgreSQL
- MySQL
- MongoDB
- Oracle
- MS SQL Server
- Redis
- NoSQL
- Apache Kafka
- RabbitMQ
- ActiveMQ
- JMS
- Event-driven Architecture
- Microservices
- Azure
- Google Cloud Platform (GCP)
- AWS
- HTTP
- REST
- gRPC
- API Design
- Functional Programming
- Object-oriented Programming
- Architecture Design
- Multithreading

### EXPERIENCE

#### Staff Software Engineer (Contractor)

07/2024 - Ongoing

*Kinship*

Remote, Brazil

- Led the adaptation and creation of backend services that allowed the company to successfully release the company's mobile application in the UK with full functionality, including the ability for the user to schedule visits to clinics.
- Designed an architecture for a multi-could data pipeline to import data from a UK sibling company and allow better integration while following enterprise levels of security and compliance.

#### Staff Software Engineer (Contractor)

06/2023 - 07/2024

*Varsity Tutors*

Remote, Brazil

- Drove the redesign of the tutor onboarding experience, automating workflows and enhancing the experience for tutors across Canada, the UK, Mexico, and India, which increased by 90% the tutors subscribing via the platform and reduced by 4-5 full-time employees the demand in the operations team.
- Spearheaded improvements to the invoicing and billing system, driving the adoption of event-driven practices within the team, which reduced irregular payments by over 80%, and 3 full-time employees on operations.
- Led the migration to microservices and micro frontends by applying the Strangler Fig pattern to decouple domains from the monolithic system, while working to ensure consistency in transactional data, improving system reliability and operational efficiency.

#### Career Break

09/2022 - 06/2023

I've decided to step back and take an extended leave to focus on my health and spend more time with my family.

#### Senior Platform Engineer

02/2021 - 08/2022

*Seeq Corporation*

Remote, Canada

- Explored technologies like Kafka, RabbitMQ, and gRPC for our communication context. After that, designed a Proof of Concept (PoC) to support our decision on a new communication standard between the microservices in our architecture.
- Extracted functionality from existing monolith applications into separate microservices by applying Strangler-fig whenever possible and creating new interfaces through the monolith application to support further extractions.
- Supported the product by addressing field-reported defects.
- Added and augmented systems monitors improving system observability.

- Staff Software Engineer** 08/2019 - 01/2021  
*Fispan* Vancouver, Canada
- Built a few integrations with large ERP systems, allowing us to create products around and inside them, including the capability of making international payments from inside the ERP, or using a better experience on our website which both became the largest products for the company with over 90% of the ARR.
  - Engineered a syncing engine to fetch and monitor ERP data while establishing the company's accounting domain. This fully eliminated data consistency issues and misunderstandings across the teams by establishing a common jargon.
- Staff Software Engineer (Contractor)** 12/2018 - 08/2019  
*PagBank* São Paulo, Brazil
- Migrated a couple of core components from a large monolithic application to microservices using Kafka, Kotlin Coroutines, Protocol Buffers, and gRPC to support high-growth demands with very low latency, processing over 300 point-of-sale payments per second in production, and over a thousand in synthetic tests without scaling the computation power. This architecture reduced our timeouts in transactions by over 99.9% and increased the success rate of transactions by 4 percentage points. It also eliminated the daily support routine for unsettled payments.
  - Mentored engineers daily and conducted bi-monthly sessions for our branch, presenting and discussing topics like Kafka Connect, Functional Programming, Multithreading and JVM thread model, Protocol Buffers, and gRPC, promoting knowledge sharing and professional development for our teams.
  - This company hosted AWS data centers in Brazil, which gave us engineers unique alternatives for hybrid production environments of on-premises, Oracle mainframes, and AWS services.
- Senior Software Engineer** 02/2018 - 12/2018  
*IFood* Campinas, Brazil
- Designed and developed many online payment solutions and integrations in a high-throughput environment, including production reliability and production support, being responsible for the security and performance of new products.
  - Created an open-source library to support the introduction of Localstack and improve integration tests for the whole company. The result was a reduction of 75% in production incidents.
  - Led the technical team and the MVP from conception to production for a digital wallet that made instant payments using QR codes on restaurants using our payments infrastructure. Being such a success, this was the seed for the creation of a digital bank focused on restaurants.
- Senior Software Engineer** 12/2016 - 02/2018  
*Dextra* Campinas, Brazil
- Led the architecture design and development of several key projects, including a full budget system with forecasting.
  - Developed and maintained a large set of configurable web crawlers to gather partner and competitor data from e-commerce platforms. That allowed for an increase in price intelligence increasing the gross margin by 3 p.p.
  - Managed project timelines and resource allocation, ensuring efficient and timely deliveries.
  - Mentored and guided developers, offering feedback and conducting performance reviews.
- Senior Cloud Engineer (Contractor)** 04/2016 - 12/2016  
*ADTsys Cloud* Campinas, Brazil
- Engineered multiple web APIs for provisioning and orchestrating software products across various cloud platforms.
  - Built seamless integrations and functionalities to support scalable product deployments.
  - Contributed to cloud infrastructure development, improving automation and efficiency in product provisioning.
- Engineering Lead, Co-Founder** 05/2013 - 04/2016  
*Blumpa Tecnologia* São Paulo, Brazil
- Founded the startup and built the initial MVPs capturing metrics and shaping the product vision and strategy.
  - Worked on the strategy to prospect venture capitalists and execute a fundraising strategy, securing capital for growth.
  - Hired, managed, and mentored a high-performing technology team, driving product and team success.
  - Led the company to profitability by evolving our marketplace platform by automating worker scheduling, job assignment, and payment (in and out) processes, increasing the margins until we sold the company in 2016.
- Lead Software Engineer, Engineering Manager** 03/2010 - 06/2013  
*Luxfacta Soluções de TI* Rio Claro, Brazil
- Led the development and architecture of multiple high-priority projects for one of Brazil's top 3 banks, including internet banking functionalities, credit card statements, and more.
  - Managed a cross-functional team of 14 engineers, ensuring seamless project execution and delivery.
  - Negotiated and managed project contracts and service agreements, from draft estimates to final closure.

## EDUCATION

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- **M.B.A. in Corporate Finances** – ETEP Ongoing
  - **Information Systems** – ETEP 2024
  - **Computer Sciences Dropout** – UNESP 2010