

Marcos Alves Cunha

Vancouver, Canada - (Permanent Resident)

alvesfc@protonmail.com

(587) 439-7182

www.linkedin.com/in/alvesfc

www.marcosalves.dev

PROFESSIONAL SUMMARY

I have over ten years of experience as a Software Developer specializing in **finance, telecom, and e-commerce** solutions. My skills include **Java, Kotlin, JavaScript, React, TDD and BDD**. I have extensive experience in managing databases such as **PostgreSQL, MongoDB, DynamoDB, and Redis**. I also have experience working with **Apache Kafka** for real-time data processing. Additionally, I have expertise in **cloud** solutions, including **AWS** and **GCP**.

EDUCATION

2015 **Specialization in Solutions Architecture**, FIAP

2011 **Bachelor in Information Systems**, Centro Universitário Fundação Santo André

WORK EXPERIENCE

Senior Software Engineer, [Craver](#), Vancouver, Canada

July 2023 - Feb 2024

Maintained a legacy system and designed a new POS integration to handle orders and inventories. The project involved creating new features to integrate restaurant menus from platforms like Toast and Square with the Craver platform. Additionally, I took part in an on-call rotation with the tech support team to fix bugs and ensure **system reliability**. The tech stack included **Java 11, Spring Boot, MySQL, Gradle, Kubernetes, and Google Cloud**.

Senior Software Engineer, [Letus](#), Vancouver, Canada

Dec 2021 - May 2023

Designed and implemented an **SMS notification** service to remind customers about upcoming payments and request authorization to process payments via text messages. I also developed a complete workflow management system consisting of a **messaging template** and a **short URL** system for efficient link handling. The tech stack included **Java 11, Spring Boot, MongoDB, Gradle** and **AWS** services such as **SQS, SNS, and ECS**.

Senior Software Engineer, [PagBank](#), São Paulo, Brazil

Feb 2020 - Jan 2022

Migrated a critical **Card Tokenization** system to a **microservice architecture**. It securely tokenized credit and debit card data with **low latency**, processing over **800 requests** per second to ensure strict **PCI** compliance. My responsibilities included defining rigorous testing and delivery processes and using **Blue-Green** and **Canary deployment** strategies. The tech stack included **Kotlin, Spring Boot, Apache Kafka, Docker** and **AWS** services like **DynamoDB, KMS, and ECS**.

Designed and developed a system to facilitate the payment of government benefits. This project involved creating a new authentication mechanism using **OAuth2**, enabling a partner company to authenticate using the client credentials flow with our system. The tech stack included **Kotlin, Spring Boot, Docker** and **AWS** services like **API Gateway, RDS** and **ECS**.

Sabbatical Break

Canada & USA

Jun 2019 - Feb 2020

I explored cities across Canada and the USA to improve my English and expand my personal and professional horizons.

Tech Lead

[Gympass](#), São Paulo, São Paulo

Jan 2019 - May 2019

Developed a billing solution that integrated with the payroll system. This project included building an integration to retrieve data via **FTP** and process it within our billing system. The tech stack included **Scala** and **Akka, Kubernetes**.

Senior Software Engineer, [PagBank](#), São Paulo, Brazil

Set 2014 - Jan 2019

Architected and implemented a billing system that efficiently processed thousands of daily charges and integrated with an existing legacy system using a microservices architecture. The tech stack included **Java 8, Spring Boot, Docker, Apache Cassandra, Apache Spark, and Apache Mesos**.

Constructed a custom **Gradle plugin** to automate the configuration and deployment of **microservices**. Also, a **Jenkins** pipeline was set up, reducing the time needed to deploy applications to production by 80%.

Developed a robust test architecture for microservices using **Spring Cloud Contract, Docker, Localstack, Jenkins, and Sonar** while implementing **TDD** and **BDD** methodologies. This significantly improved the quality and frequency of production deliveries. I also enhanced the **Java-based** legacy system by creating **unit tests**, removing **redundant code**, and increasing **test coverage**.

PREVIOUS EXPERIENCES

Senior Software Engineer, [Via Varejo SA](#) - Sep/2012 - Sep/2014- São Paulo, Brazil

Java Developer, [Indra Politec](#) - Feb/2012 - Sep/2012 - São Paulo, Brazil

Java Developer, [Prodesp](#) - January/2011 - Feb/2012 - São Paulo, Brazil

Java Developer, [Atento](#) - Jan/2010 - Jan/2011 - São Paulo, Brazil

Intern, [Excelência Soluções](#) - Jul/2008 - Dec/2010 - São Paulo, Brazil

CERTIFICATES

2019 **English General**, Oxford International / Eurocentres Toronto-San Diego-Vancouver

2018 **Developing on AWS**, AWS Training and Certification

2018 **Architecting on AWS**, AWS Training and Certification

TECHNICAL SKILLS

(10+ years): Java, Spring, Linux, Git, Junit.

(6+ years): OracleDB, PostgreSQL, MySQL, Gradle, Jenkins, Docker, Contract testing, TDD, BDD, Splunk.

(3+ years): DynamoDB, KMS, EC2, OAuth2, Apache Kafka, Groovy, New Relic, Gatling, Kotlin, Cucumber, OpenAPI, Kubernetes, DevOps.

(1 year): React, JavaScript, NodeJS