

Filipe de Deus

Software Engineer

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SUMMARY

Software engineer with 5 years of experience, specialized in backend with a strong foundation in frontend. I work with Java, Python, TypeScript, SQL/NoSQL databases, and AWS, developing scalable and high-performance systems. I have worked on the development of a comprehensive platform for QA professionals management, the modernization of legacy systems, and high-load critical projects. Currently, I am part of the team responsible for Pix at Cielo, ensuring the stability and performance of one of Brazil's main payment methods, using reactive programming with Spring WebFlux. My experience includes process optimization, scalability, and delivering robust solutions for large transaction volumes.

SKILLS

Proficient: Java, Spring Webflux, Spring Boot, MongoDB, DynamoDB, AWS, Kafka, PostgreSQL, Python, Docker, Sonar, Microservices

Intermediate: Oracle, MySQL, DB2, Delphi, Typescript, Javascript, Angular, Kubernetes, ReactJS, Datadog, Terraform

Beginner: Dynatrace, Azure, NextJS, Quarkus, Kotlin, NestJS

PROFESSIONAL EXPERIENCE

Software Engineer

Cielo S.A., São Paulo, BR – Remote

09/2023 to Present

Core Responsibilities:

- Responsibility in the Pix Core team, focusing on ensuring that customer transactions, from purchase to final payment to the merchant, are carried out securely and efficiently while maintaining service integrity and quality.
- Continuous development of microservices solutions, with regular production deployments, as well as ensuring product sustainability to minimize issues and enhance customer experience.
- Active participation in the design and improvement of architectural and technical solutions, utilizing tools such as Java, Spring Boot, AWS, Kafka, MongoDB, and others to support a highly scalable and resilient payment system.
- Significant contribution to the development of Pix Agendado Recorrente, a new payment method regulated by the Central Bank, in addition to being a key part of the team since the early days of Pix in Brazil.
- Adoption of cutting-edge technologies, including Reactive Programming, Docker, Terraform, and IaC, to build innovative and robust solutions, ensuring agility in development and scalability in operations.

Key Technologies and Tools: Java, Spring Boot, Spring Webflux, Reactive Programming, Mongo Db, AWS, Kafka, Docker, IaC, Terraform, Python, Microservices

Fullstack Developer

act digital, Distrito Federal, BR – Remote

08/2021 to 09/2023

Core Responsibilities:

- Maintenance and Support of Legacy Systems. Responsible for maintaining and enhancing a critical system in the insurance sector at Banco Sicoob, ensuring its stability and operational continuity.

- **Technological Migration.** Actively participated in the modernization of the insurance product at Banco Sicoob, migrating the entire frontend from Flex to Angular, an essential shift for the platform's evolution.
- **Performance Optimization.** Implemented improvements in database queries on DB2 at Banco Sicoob, including tuning and index creation, to ensure greater efficiency and speed in operations.
- **Worked with a robust stack,** including Java, EJB, JSF, and Angular at Banco Sicoob, ensuring integration between legacy and modern technologies. Also contributed to the Pix team at Cielo, applying similar technical expertise.
- **Worked strategically** at both Banco Sicoob and Cielo, handling complex and regulated environments, requiring precision, performance, and reliability in deliveries.

Key Technologies and Tools: Java, EJB, JSF, Db2, WebSphere, Angular, Redux, NgRx

Fullstack Developer

Stefanini, Distrito Federal, BR – Remote

03/2021 to 08/2021

Core Responsibilities:

- Joined the development team and had the opportunity to build a people management platform from scratch, focusing on optimizing the testing team's resources and improving internal management.
- The platform was built using microservices with Java and Quarkus in the backend, ensuring flexibility and scalability in data processing and integration.
- Worked with Oracle database in the backend, ensuring robust and efficient integration between the platform and the database, with an emphasis on performance and reliability.
- Used Angular 12 to develop the platform's frontend, providing a modern and intuitive interface for managing the testing analysts and their activities.
- The platform helped manage and optimize the allocation of testing analysts, improving organization and communication between the testing teams and the other teams requiring their services.

Key Technologies and Tools: Java, Oracle Db, Angular, Angular Material, Quarkus, Microservices, Jenkins, ArgoCD

Quality Assurance

Stefanini, Distrito Federal, BR – Remote

09/2020 to 03/2021

Core Responsibilities:

- Conducted both manual and automated testing for web and mobile applications using tools such as Cucumber, Appium, Java, Selenium, and others, ensuring system quality and reliability.
- Responsible for ensuring the highest quality in the benefits products and services offered by Banco do Brasil to its clients, always focusing on user experience.
- Ensured that the benefits products of Banco do Brasil met the highest quality standards by performing rigorous validations and overseeing the entire testing cycle.
- Collaborated with development, product, and operations teams, providing feedback and suggestions to improve system quality and identify areas for improvement.
- Contributed to the implementation and execution of automated tests for web and mobile systems, increasing test coverage and efficiency in the development cycle.

Key Technologies and Tools: Java, Appium, Selenium, Cucumber, Jenkins, ArgoCD, Automatic Tests

EDUCATION

Postgraduate of Software Architecture

FIAP, São Paulo, Brazil

08/2024 to Moment

- **Relevant coursework:** Docker, Kubernetes, Serverless, Clean Architecture, EKS,DDD, Data Engineer, Cybersecurity, Microservices, Devops
- **Bachelor Thesis:** Tech Challenger - Dinner System

Bachelor of Analysis and Development Systems

Centro Universitário de Brasília, Distrito Federal, Brazil

06/2020 to 12/2022

- **Relevant coursework:** Software Engineering, Database Management, Object-Oriented Programming, Web Development, Data Structures, Algorithms, Computer Networks.
- **Bachelor Thesis:** GEDUC – Online Learning Platform

CERTIFICATES/COURSES

Secure Development Associate, Center of Excellence in Cybersecurity, Brazil

Jan/2024

LANGUAGES

Portuguese: Native

English: Intermediate B2