Eduardo Santos DE MOURA

eduardothemoura@gmail.com +49 1577 0174298 / +55 81 991545502 linkedin.com/in/eduardo-s-moura
github.com/eduardosm7

EDUCATION

Universidade Federal de Pernambuco Graduated in December 2020
Bachelor of Science in Information Systems *GPA 8.8/10*

WORK EXPERIENCE

FlixBus Berlin, Berlin, Germany
Junior Software Engineer Nov 2021 - Present

- Maintained and extended the Core Data Platform, which hosts the backbone of the whole company's streaming infrastructure and event-driven ecosystem exchanging millions of events per day (mainly using the Kafka ecosystem, running on AWS, provisioning its infrastructure using Terraform, and monitoring on Datadog), as well as pipelines for data on-loading and off-loading, tools, and libraries (implemented in Java and Python) used by other teams;
- Promoted the user-centricity of the Data Platform by gathering and aggregating usage metrics and feedback, and presenting them in ways that made it possible to prioritize teams' support based on their usage frequency and criticality to the business;
- Provided consultancy and support to other teams on how to integrate with the messaging system in the most efficient and secure way, helping establish company-wide standards for data modeling, quality, and access as well as Kafka-based application design.

iFood (Remote) Osasco, São Paulo, Brazil
Software Engineer Mar 2021 - Oct 2021
Junior Software Engineer Mar 2020 - Mar 2021

- Designed, coded, tested, operated, monitored, and solved production problems on microservices serving millions of requests per day, running on AWS with Kubernetes and EC2, using Spring Boot with Kotlin and Java, testing with JUnit, Mockito, and monitoring with Prometheus + Grafana, NewRelic, Logz, and Datadog, often participating in on-call rotations;
- Participated in product evolution prioritization, alongside Product Managers, Product Designers, Data Analysts, and other Software Engineers, always looking to the best value gains to the business, analyzing its trade-offs, basing the decisions on data;
- Faced and helped to solve performance, scalability, maintainability, and reliability challenges within a service by creating and analyzing metrics, and optimizing transactions, and within the integration between other internal and third-party services by using techniques such as caching, circuit breaking, asynchronous communication with topics and queues;
- Participated in candidates' interviews for iFood, contributed to the newcomers' onboarding program, mentored new joiners in the team, and acted as a technical and domain reference to the team.

C.E.S.A.R. (Recife's Center of Studies and Advanced Systems) Recife, Pernambuco, Brazil
Software Engineering Intern May 2019 - Mar 2020

- Implemented, refactored and bug-fixed features of a web application, using Angular, HTML, and CSS, and also structured an Angular library, to be used by several projects;
- Automated manual processes such as generating release notes, developed a CLI, using Python and Bash and containerized the development environment, using Docker and Docker Compose, helping the team with the development process;
- Created and deployed Serverless stacks, using AWS' CloudFormation, Ansible, and AWS' SAM, improved the CI's pipeline, using Jenkins, integrating with GitLab and JIRA, and documented the DevOps/CI/CD process of the project.

Motorola Mobility / Informatics Center Partnership Recife, Pernambuco, Brazil
Software Test Engineering Intern April 2018 - May 2019

- Automated and maintained test cases on mobile phones using Pytest, reducing the manual test team's effort by nearly 70% and the test cycle execution time by approximately 50%;
- Created a localhost web application tool using Flask, HTML, CSS, and JavaScript to help several teams to perform test cycles on mobile phones, reducing both the effort and the execution time;
- Developed an APK using Android Studio (Java) to test mobile phones by making FTP uploads, making it possible to perform stress tests on phones by itself.

MAJOR PROJECTS

Hangry July 2019

An application created to distribute the demand for fast foods and restaurants throughout their opening hours, reduce their peaks, and benefit both consumers and businesses.

- Developed the backend application using TypeScript, Nest.js framework, TypeORM, and PostgreSQL, based on a microservice architecture;
- Created a CI/CD pipeline, using Docker, Docker Compose, TravisCI, GitHub, and Heroku.

Sit Down November 2018

An application that provides real-time data, used to determine the number of available seats on public transport through an embedded system, allowing the users to choose if they want to take the next ride or wait for the other.

- Developed an embedded application on a Raspberry Pi using Node.js, capturing data from ultrasonic sensors (Pigpio) and publishing it to a remote MQTT broker;
- Developed a Node.js server that subscribed to the broker and provided a REST API (Express.js) ready to be consumed.

SKILLS

PROGRAMMING LANGUAGES

3 years: Python
1.5 years: Java
1 year: Kotlin, JavaScript/TypeScript
.5 years: Go, C#

TECHNOLOGIES

Spring Boot, JUnit, Mockito, Kafka, Resilience4J, SQL, ScyllaDB, Git, Unix/Bash, Android, Flask, Jenkins, JIRA, Node.js, Databricks, Docker, Kubernetes, Angular, AWS, Ansible, Redis, Prometheus, Grafana, New Relic, Datadog

EXTRAS

VOLUNTEER ACTIVITIES

Visual Studio Code
Helped to localize Visual Studio Code strings to Brazilian Portuguese.
Mozilla
Helped to correct some grammatical errors in JavaScript's documentation.

ONLINE COURSES

Learn Apache Kafka For Beginners V2 (Udemy 2021)
Machine Learning and Data Science with Python (Udemy 2019)
JavaScript Tutorial (SoloLearn 2018)
C++: From Beginner to Expert (Udemy 2017)