

Kauê Palota

Software Engineer

PROFILE

Adaptable and enthusiastic software engineer with a passion for modernizing systems and processes. Skilled in data migration, developing backend applications, cloud technology and observability. Always eager to discover new technologies, which gives me the flexibility to quickly adapt and improve tools and processes.

I embarked on my programming journey in 2020 and have been working professionally since 2022. After a period of freelancing until early 2024, I joined the financial sector, where I continue to contribute significantly to digital transformation efforts.

LINKS

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EXPERIENCES

Software Engineer, 4SolutionGroup @ IBM — May. 2024 - Present

As a consultant at IBM working on project for Itaú, I have played a key role in the modernization of systems and processes. My contributions include:

- Redesigning tables and adding a TTL (Time to Live) field during a data purge process, leading to a 70% reduction in DynamoDB costs for tables with over 15 million records.
- Developing metrics and dashboards using QuickSight, with SQL queries via Athena, providing valuable business insights.
- Implementing observability with Prometheus across a workflow involving three applications using Spring Boot, Amazon SQS, and Kafka for overdraft notifications (SMS, Push, and Email), significantly enhancing monitoring and operational efficiency.
- Following the implementation of observability, I enhanced the infrastructure of the SQS queue, increasing resilience to errors in a critical flow, which allowed for greater ownership and control over the system's performance.
- Following a Gitflow architecture using GitHub Actions for deployment and implementing Terraform in some projects, while utilizing CloudFormation in others for infrastructure management.
- Main technologies are: AWS, Java, Spring Boot, Kafka, Github Actions, Prometheus, Micrometer, Terraform, Docker, CloudFormation and Python.

Software Freelancer, Skalo — Apr. 2024 - Present

As part of the early stage startup, I developed an application for ingesting data from an e-commerce platform using a Ktor app. My responsibilities include:

- Developing pipelines using Apache Airflow for ingesting data from various e-commerce stores, ensuring proper cleaning and transformation before analysis.
- Automating the sending of processed data to Power BI Fabric.
- Following a medallion architecture for data processing, saving data at different stages in an S3 bucket.
- Implementing a webhook system that registers with each store, listening to and processing real-time data updates.
- Ensuring all relevant changes in stores are captured and instantly reflected in analyses, providing an always up-to-date view of the data.
- Main technologies are: Kotlin, Ktor, Apache Airflow, Docker, Prometheus and PostgreSQL.

Software Freelancer, Screen Labs, — Feb. 2023 - Sep. 2023

One of leading companies related to game servers. Achieved 80,000 registrations. I actively contributed to the development of various features, notably designing architectures to keep players synchronized between multiple servers instances through Kafka and Redis.

- Developed and maintained a well-structured mono-repo using Spring Boot and Kotlin. Created a Docker Compose File, which integrates all services and their essential dependencies.
- Managed server deployment using Docker Swarm, triggered by GitHub Actions, automating the integration and deployment processes. This setup ensured that updates to the codebase were efficiently tested and deployed, reducing downtime and increasing reliability.
- Main technologies were: Kotlin, Spring Boot, Docker, Kafka and Redis.