

# Lays Rodrigues

Software Engineer

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## SUMMARY

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- Backend developer with +5 years experience with strong background on architecting systems and DevOps tools

## WORK EXPERIENCE

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### Software Engineer

Aug 2021 - Present

Pagar.me

- Development of tools and products for our internal clients (Python, JavaScript, AWS)
- Project and build architecture of applications (AWS)
- Responsible for defining the technical evolution of current products, considering functional and non-functional aspects like cost and performance. (AWS)
- Lead the development of Proof of Concepts to back technical decisions
- Development of CI/CD workflows using GitHub Actions as also creating a repository with reusable workflows (Github, GithubActions)
- Development of Infrastructure as Code for our applications (Terraform)
- Development and implantation of code quality/governance guidelines for my team and tribe to better manager our projects (pre-commit)
- Lead the study and mapping of our team/tribe applications and how they integrate with other apps from our company to better understand how to evolve and maintain them.

### KDE Community

Oct 2015 - Present

KDE

Developer

- Collaborate to create Atelier, a 3DPrinting Host for 3D printers, fully open source and multi-platform. (C++, Qt, QML)
- Contribute with some other projects like: Kate, the text editor; Umbrello, the UML editor; Simple Landing Pages for events like Akademy. (C++, Qt, Javascript, Vue)

Member of Fundraising Working Group

- Our goal here is to maintain the financial health of our beloved community, working on how to fund KDE based on fundraising campaigns and other initiatives.

### Software Engineer

Apr 2021 - Jul 2021

Zé Delivery

- Development of an Authorization API based on JWT using NestJS with TypeScript and GraphQL. (TypeScript, GraphQL, JWT)
- Created Terraform modules to create and ECS Cluster and deploy ECS Service into it. (AWS, ECS, Containers)
- Integrated Google Workplace SSO with AWS Cognito to use federated login on internal applications. (AWS, Cognito)

- Proof of concept of a build pipeline for Zé Delivery App using GitLab CI/CD. Build improvements were about to save 40 to 50 minutes for the developers based on the current Travis CI pipeline. (Gitlab CI, Yaml, Android, iOS, React)

## **DevOps Engineer**

Nov 2020 - Feb 2021

Sensedia

Consultant

- Analysis of the current Kubernetes infrastructure and generated a report on how to maintain those resources while evolving our applications (Kubernetes, Azure)
- Presented to the development teams the 12 Factor App and how to introduce its good practices on day-to-day work. (DevOps)
- Designed and delivered a new Kubernetes infrastructure using EKS and continuous integration with GitLab CI/CD, with full monitoring on CloudWatch, Prometheus Operator and Grafana. (AWS, EKS, Gitlab CI, Terraform, Ansible, Helm)
- Creation of new AWS accounts under Control Tower exclusively for the R&D team. (AWS)

## **Software Engineer**

Dec 2019 - Oct 2020

Cyberlabs

- Designed the cloud-first architecture for KeyApp, an application that had the purpose to be a facial recognition authentication and authorization platform. (AWS, Terraform)
- Developed the KeyApp architecture based on Microservices pattern to run on AWS ECS (Python, NodeJS, GraphQL, Golang, AWS, ECS)
- Designed a multi-account AWS workflow to follow the AWS model of governance using Control Tower and AWS SSO. (AWS)
- Responsible for most of the AWS accounts operations, included governance, security and maintenance. (AWS, Cloud Governance)
- Automated the deployment of all the KeyApp microservices using GitLab CI, while running Code Quality and SAST tests, and requiring unit testing for all applications to improve code confidence within the application. (Microservices, Unit Testing, Gitlab CI, Docker)

## **Software Engineer**

Jan 2019 - Nov 2019

Meta

Rede Globo

- Migration of on-premises applications to AWS, to improve costs, development and deploy process. (AWS, Terraform, Gitlab CI)
- Improvements on the workflow that was used for the World Cup in 2018 to be used for others purposes. (Python)

## **Software Developer Intern**

Jan 2017 - Dec 2018

Globo

- Automation of tests and deployment of services and applications using Ansible, PyPi and GitLab CI (Python, YAML, Ansible, Linux)
- Development of the 2018 World Cup project, that processed all the videos that were coming from Russia and deliver into our systems for the Journalism and Sports teams to use on the TV Globo channel and others sources. That system run more than 160 hours of material in a step by step application workflow. (Python, Gitlab CI, Ansible, Linux)

- Maintenance of legacy systems that supported the Journalism teams on day-to-day activities like: Checking the videos that were in the system, select, cut and process them. (C++, Windows)

## EDUCATION

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**B.S in Information Systems**

Jul 2017 - Jul 2019

Federal Fluminense University