

# RENATO CARDOSO

rc@rcardoso.dev | [linkedin.com/in/rgdiascardoso](https://www.linkedin.com/in/rgdiascardoso)

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## EXPERIENCE

### **Software Angels - September 2021**

#### *Fullstack Software Engineer*

- Responsible for the architecture and fullstack development of internal tools for a major multinational clothing brand.
- Also responsible for both architecture and setup of cloud infrastructure from scratch using Terraform, Kubernetes and GitHub Actions as CI/CD runtime.
- Backend development of performant data analytics microservice solutions using Spring Boot, Kotlin, Apache Druid and PostgreSQL.
- Frontend development of data dashboards using Vue.js and Nuxt.js metaframework, using Typescript.

### **Kodly - November 2020 - November 2021**

#### *Software Engineer*

- Acting Tech Lead for two distinct projects. Responsible for managing international teams of remote developers and for direct contact with clients.
- Development of backend applications with Kotlin and the Micronaut Framework (Authentication and Security, integration with Elasticsearch for full text queries and geographical searching).
- REST API's specification with OpenAPI V3. Building and maintaining CI/CD pipelines with GitLab CI. Setup and management of AWS infrastructure (EC2 instances, RDS, ECS, S3, Elasticsearch, VPC's, API Gateways and Load-Balancers) using Terraform for deployment and state management and also using Python scripts for automation. Building data migration and transformation workflows with Python.

### **Bold - Celfocus - June 2020 to November 2020**

#### *Microservices Developer*

- Microservices development for the Business Support System and E-Commerce layer of a telecommunications company (Catalogue, Order and Voucher Management,

Shopping Cart, and Payments). Backend development with Java 11 using Spring Boot and Axon frameworks. Contract-first REST API specification using the OpenAPI standard. TDD with JUnit5 and Mockito.

## **GFI - Microsoft/Inditex - February 2020 to June 2020**

### *DevOps Engineer*

- Lift and shift of microservice implementing CQRS from on-premises into Azure. Development of Terraform scripts for Azure infrastructure setup and state management. Setup of Azure Kubernetes Service and development of Kubernetes manifest files for deployment. Used GitHub Actions to build CI/CD pipelines to handle infrastructure setup with Terraform and application deployment into AKS. Setup and configuration of Kong Api-Gateway, using custom built plugins written in Lua and Golang.

## **GFI - SPMS - November 2019 to February 2020**

### *Full-stack Developer*

- Development with Java, Spring framework and Hibernate. Front-end development with JSP and jQuery. Creation of PL/SQL stored procedures. SQL query optimisation and debugging. Development of Golang and Python scripts for task automation.

## **ALERT Life Sciences Computing - December 2018 to October 2019**

### *Content Analyst / Developer*

- Development of Python Application to process Medication Data using Pandas, SQLAlchemy and Flask. Creation of clinical content (forms, exams, lab tests) based on requirements from both clients and functional analysis, according to the best clinical standards. Building PL/SQL functions and procedures to validate and test newly created content.

## **University Hospital of Coimbra –January to March 2018**

### *Medical Resident*

- General Medicine and Public Health. Shared clinical responsibilities and integrated with a team of health professionals in an outpatient context.

## EDUCATION

**Faculty of Medicine of University of Porto - 2017**

*Master's degree in Medicine*

## LANGUAGES

Portuguese: native.

English: C1 level.

## OTHER SKILLS

Personal project experience with Rust (Warp and Actix) and Django.