

# João Cardoso

Software Engineer

## Work Experience



### Senior Software Engineer

[Spotify](#)

Design, develop, test, deploy and maintain Spotify systems for ubiquity devices.

Main projects:

- Mobile Ubiquity: Implement a view service to provide recommendations to Mobile Ubiquity integrations;
- Client Token: Design a solution and help multiple teams across the org to integrate it into their systems to enable Spotify to obtain more information about the characteristics of users' devices;
- Artist Wrapped: Implement the backend system to support the Spotify Wrapped campaign for artists;

Java

Scala

Python

TypeScript

Bigtable

Bigquery

Google Cloud

Docker

Kubernetes

Maven

sbt

Git

REST

gRPC

Hermes

Tableau

Apollo



### Software Engineer

[SoundCloud](#)

Design, develop, test, deploy and maintain SoundCloud payments systems, including managing user subscriptions and entitlements.

Main projects:

- Ruby on Rails migration: Migrate Ruby on Rails systems from version 4 to version 6;
- Google Play Subscriptions: Integrate Google Play Subscription on SoundCloud payments systems;
- Recurly: Integrate external payments provider Recurly on existing SoundCloud payments systems;

Ruby on Rails

Scala

Finagle

PostgreSQL

Docker

Kubernetes

Git

REST

gRPC

Maven

sbt

Bigquery

Cassandra



### Software Engineer

[Mercedes-Benz.io](#)

Design, develop, test and deploy Mercedes-Benz cloud applications using microservices architecture.

Main projects:

- Notification Center: Several microservices that work together in order to provide a seamless user experience in all platforms (e.g. Web, Mobile, Car, etc). These services are responsible to validate, control, render and delivery all user notifications, requested by other applications;
- Search Engine: Microservice that provides an REST API, used by other systems, to store search queries and notify the end users every time that new entries become available;

Java

Kotlin

Spring Boot

PostgreSQL

Docker

Kubernetes

PCF

Jenkins

Git

REST

gRPC

Maven

Gradle



### Java Developer

[Siemens S.A.](#)

Design, develop, test and deploy internal web applications used by Siemens employees all over the world.

Main projects:

- Delegation Management: System responsible for manage all delegations inside the company on all stages like order approval, income calculation, visa process, repatriation, etc;
- Template Management: SaaS application responsible for manage email and document templates, proving dynamic document/email generation to all Siemens application through REST API;
- Basic Components: Set of common back-end components used in all internal applications;
- Web Components: Collaborative project between internal and external services, providing a framework used to build modern UI for web/mobile applications.

Java

Java EE

JSF

AngularJS

JBoss

Oracle DB

BPMN

Jenkins

SVN

REST

SOAP

Maven



### Researcher

[IT - Institute of Telecommunications \(University of Aveiro\)](#)

Designing and developing a ANDSF component belonging to the Evolved Packet Core (EPC) framework from 3GPP, deploy and integration of Hotspot 2.0, and making a seamless handover between 3G and WiFi technologies.

Java

C/C++

Play

Maven



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jffc

## Tech Skills

### Languages

Java

Kotlin

Bash/Shell

JavaScript

HTML/CSS

Python

Scala

Ruby

Rust

Golang

### Frameworks

Apollo

Spring Boot

Ruby on Rails

Finagle

Vue.js

AngularJS

### Databases

PostgreSQL

Bigtable

BigQuery

MongoDB

Cassandra

### DevOps

Docker

Kubernetes

Google Cloud

Jenkins

PCF

## Soft Skills



## Education

Jun 2013



### Master's Degree in Computer Engineering and Telematics

[University Of Aveiro](#)

#### Master's Thesis:

- Title: DETIboot;
- Supervisors: Dr. José Manuel Neto Vieira, Dr. André Ventura da Cruz Marmôto Zúquete;
- Description: Fast, wireless installation of pre-configured operating systems, with broadcast transmission and network coding (fountain codes), making it scalable for an unlimited number of consumer systems;
- URL: <http://hdl.handle.net/10773/11675>

Sep 2007

## Certifications

### Oracle Certified Associate (OCA), Java SE 8 Programmer I

[Oracle](#)

An Oracle Certified Associate, Java SE 8 Programmer has demonstrated knowledge of object-oriented concepts, the Java programming language and general knowledge of Java platforms and technologies.

### Oracle Certified Professional (OCP), Java SE 8 Programmer II

[Oracle](#)

An Oracle Certified Professional, Java SE 8 Programmer has validated their Java development skills by answering challenging, real-world, scenario-based questions that measure problem solving skills using Java code.

### IELTS, General Training

[British Council](#)

The International English Language Testing System (IELTS) measures the language proficiency of people who want to study or work where English is used as a language of communication. It uses a nine-band scale to clearly identify levels of proficiency, from non-user (band score 1) through to expert (band score 9).

Overall band score: 7

## Personal Projects

### Desenrasca

Mobile application for Android devices, that gives to the users a more automatic and easy way of consume USSD codes services from their own mobile operators.

Android Java SQLite Gradle

### Pricematch

Responsive web application, developed according to service oriented architecture (SOA), that gives to the users the possibility of monitoring almost all the prices present in the internet web pages.

Node.js AngularJS MongoDB REST

# Academic Projects

## Spots4Surf

Mobile application, that gives to the users the opportunity to share and classify the current state of the waves, in some place, with all application users and with Facebook users.

Android Java SQLite Gradle

## UAllet

Payment system services that gives to the users more detail information about the items of their buys and provides store prices, based on users purchases.

Java Python REST Google App Engine

## VitalResponder

Coordination and monitoring system of the fireman's on risk interventions, using Vital Jacket and mobile devices.

Java Android GWT Maven

## UAccess Control

Web application to control and monitor the building users access using citizen cards.

C Python Google App Engine