



# JOÃO MOREIRA

Software Engineer

## SKILLS

Java	11+ yrs
Spring	5+ yrs
Linux	11+ yrs
Kubernetes	5+ yrs
Google Cloud	3+ yrs
Scrum	7+ yrs
MongoDB	5+ yrs
SQL	9+ yrs
Maven	11+ yrs
GIT	9+ yrs

## CONTACT

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## PROFILE

Portuguese software developer with 35 years old, I'm in the industry for 11 years. I'm dedicated and always keen to apply the most recent and effective technologies. My focus is Java and all frameworks around that, specially Spring. Very experienced with all lifecycle of the software, from design and architecture to production and maintenance.

Provide guidance and share knowledge within the team. Responsible for choosing the best technologies to the project, maintain the code clean and accordingly to the standards. Ensure the software have an accurate and effective documentation.

Enthusiastic of agile practices, specially Scrum.

## WORK EXPERIENCE

**DevOps/Lead developer**  
**Signicat**

Jun 23 - Now

Re-design a certificate management service tailored for company platform from scratch.

- Storing of certificates and private keys
- CSRs generation
- REST Api
- Authorizations based on permissions validated by OPA
- Infrastructure through code
- Expose metrics to Prometheus and triggering alerts on alert manager integrating with slack

### Technologies include:

- Spring Boot, Spring Data JPA, Spring Web
- PostgreSQL
- Open Policy Agent
- GKE, Google KMS, Google Secret Manager, Google PubSub
- K8s, Docker Compose, Helm, Terraform
- Git, Maven, JIRA, GitLab CI/CD

## SOCIAL MEDIA

- 🌐 <https://joamoreira.site>
- 🌐 <https://linkedin.com/in/joao-moreira-java>
- 🌐 <https://github.com/moreirajo>

## EDUCATION

**2011 - 2013**

### M. Sc. Electrical and Computer Engineering.

Universidade Nova de Lisboa

Master studies were focused on the areas of Robotics, Systems (control and automation) and Digital Systems.

The name of the master thesis was "Análise de Desempenho de Anéis de Controlo Baseado em PCA". It was a study that used several technics combined to identify faults in a water tank system.

**2007 - 2011**

### B. Sc. Electrical and Computer Engineering.

Universidade Nova de Lisboa

The bachelor's introduce theoretical and practical knowledge in 6 areas of Electrical and Computer Engineering. Namely, Systems (control and automation), Electronic, Energy, Robotics, Digital Systems and Telecommunications.



### Achievements include:

- Design and implement a new REST Api
- Api first design using OpenApi
- Securely store and transmit private keys implementing cryptography algorithms
- Solid documentation facilitating integration, hosted in GitLab pages and written in markdown using mkdocs

### DevOps/Lead developer Signicat

Nov 22 - Jun 23

Take over of a certificate management service developed by other team using Quarkus framework.

- Storing of certificates and private keys
- CSRs generation
- REST Api
- Authorizations based on permissions validated by OPA
- Infrastructure through code
- Expose metrics to Prometheus and triggering alerts on alert manager integrating with slack

### Technologies include:

- Quarkus
- PostgreSQL
- Open Policy Agent
- GKE, Google KMS, Google Secret Manager, Google PubSub, Redis
- K8s, Docker Compose, Helm, Terraform
- Git, Maven, JIRA, GitLab CI/CD

### Achievements include:

- Develop, implement and execute a migration from all the data from old database to a new one
- Expose certificate metrics using Prometheus and created a Grafana dashboard to expose certificates about to expire
- Expand CSR generation to support almost all DN
- Design and implemented several improvements to code base

### DevOps/Lead developer Signicat

May 21 - Nov 22

Responsible for design and develop a Global Configuration System to be used as a core service in the new company technological platform.

- Based on Json Schema

# CERTIFICATIONS

## Google Cloud Certified Professional Cloud Architect

Google  
2024 Jul

Cloud architect using GCP solutions.

## Professional Scrum Master I

scrum.org  
2018 Dec

Qualified to do Scrum Master role tasks.

## Oracle Certified Professional - Java SE 7 Programmer

Oracle  
2015 Jul

Certification to prove abilities in Java 7. Licence 2367420720CPJSE7.

## Oracle Certified Associate - Java SE 7 Programmer

Oracle  
2015 Jan

Certification to prove abilities in Java 7. Licence 2367420720CAJSE7.

- Event driven architecture
- Api available both in REST and gRPC
- Authorizations based on permissions validated by OPA
- Infrastructure through code
- Expose metrics to Prometheus and triggering alerts on alert manager integrating with slack

### Technologies include:

- Spring Boot, Spring Cloud Sleuth, Spring Security, WebFlux
- MongoDB Atlas
- Open Policy Agent
- GKE, Google KMS, Google PubSub, Redis
- K8s, Docker Compose, Helm, Terraform, Swagger
- Git, Maven, JIRA, GitLab CI/CD

### Achievements include:

- Generic configuration system able to handle company demands
- Java client to communicate with the api using gRPC and with cache updated on demand using streams
- Solid documentation facilitating integration, hosted in GitLab pages and written in markdown using mkdocs

## Developer/Scrum Master/Tech Lead

Oct 19 - May 21

### Signicat

Design and develop from scratch a solution to automate certificates issue and renewal using ACME protocol.

- Microservice architecture
- Store and validate certificates
- Generate Certificate Signing Requests
- Automatic renewal using ACME protocol

### Technologies include:

- Spring Boot, Spring Security, WebFlux
- MongoDB, Hashicorp Vault
- AWS, RabbitMQ
- K8s, Docker Compose, Helm, Swagger
- Git, Maven, JIRA, GitLab CI/CD, Jenkins

### Achievements include:

- REST api for managing certificates and csr
- Issue and renewal using Let's Encrypt or Buypass



# TRAININGS

## DevSecOps Engineer (24h)

### EC-Council

2023 Nov

E[C]DE is a lab-intensive program with over 70% of the curriculum dedicated to labs. It covers both application and infrastructure DevSecOps in on-premises and cloud-native platforms. Focuses on integrating security in the plan, code, build, test, deploy, release, operate and monitor stages of the DevOps lifecycle.

## Practical TLS and PKI (14h)

### Feist Duck

2019 Nov

The course goes through everything you need to know to deploy secure servers and design secure web applications. The training is based on our Bullet-proof TLS and PKI book, with a series of lectures and exercises designed to give you a hands-on experience.

## Others

In the field of IT consultancy it's frequent companies that give their consultants trainings in that regard. I did some trainings in basics skills development of a consultant (24h), leadership of people and teams (20h) and advanced project management (24h) to name a few.



## Developer

### SLIB

Jun 19 - Sep 19

Development and delivery of framework to apply confidentiality and also maker checker in company projects.

- Build backend with REST api to allow decision on what a user can see
- Build frontend to manage confidentiality
- Apply maker checker in the frontend

### Technologies include:

- Java EE, Jboss, Swagger
- PostgreSQL, myBatis, Flyway
- Protactor, Typescript
- XL Deploy
- Git, Maven, JIRA, Bitbucket, Jenkins

### Achievements include:

- Make available a framework that handles confidentiality for others to use
- Let the user configure their confidentiality needs through a nice and intuitive UI
- Changes made in the UI were only effective when other person approve them

## Developer

### SLIB

Nov 17 - Jun 19

Development and delivery new risk monitoring software tool based on a legacy project

- Develop a new risk monitoring tool more generic
- Frontend to interact with the tool
- Develop connectors to convert different market trades format to a common one

### Technologies include:

- Java EE, Jboss, GWT, ActiveMQ
- Oracle, JPA, Flyway
- XL Deploy
- Git, Maven, JIRA, Bitbucket, Jenkins

### Achievements include:

- Software with a very good performance
- Nice and friendly UI

## Vue Masterclass (43h)

Udemy  
2024 Fev

Complete course covering Vue 2 and 3, Pinia, TypeScript, TailwindCSS, Vitest, and more.

## MongoDB - The Complete Developer's Guide (18h)

Udemy  
2023 Set

Master MongoDB Development for Web & Mobile Apps. CRUD Operations, Indexes, Aggregation Framework - All about MongoDB.

## Docker & Kubernetes: The Practical Guide (24h)

Udemy  
2023 Apr

Learn Docker, Docker Compose, Multi-Container Projects, Deployment and all about Kubernetes from the ground up.

## Javascript ES6 & Angular 7

Affinity consultant  
2019 May

Learn Javascript ES6 and Angular 7 with theory and practical exercises.



- Integration with several markets in all continents
- Software generic enough to be used by any Clearing House in the market

## Developer IP Telecom

Ago 17 - Nov 17

Development of a billing and rating platform, from scratch, to replace excel sheets used by IP Telecom.

- Build calls rating mechanism
- Build billing platform

### Technologies include:

- Spring, jBilling
- PostgreSQL, Hibernate
- Git, Grails, Docker

### Achievements include:

- Successfully implemented a complex rating mechanism
- IP Telecom successfully moved from manual work in excel to automated system

## Developer/Oncall SIBS

May 14 - Ago 17

Backend developer of a multi service platform with focus on services backing the biggest Portuguese mobile payment app called MB Way.

- Build multi service platform
- Build a communication Gateway to send out emails, sms and mobile push notifications
- Build a backoffice for the multi service platform
- Production maintenance and oncall duties

### Technologies include:

- Java EE, EJB, IBM Websphere
- Web services, SOAP
- TIBCO, JMS, JSF/JSP
- DB2, JPA
- Git, Harvest, Maven, JIRA, Bitbucket

### Achievements include:

- Portuguese most used payment mobile app
- Communication Gateway used in 3D Secure and MBCODE

# LANGUAGES

Portuguese (native)

English (advanced)

Spanish (intermediate)

- Nice and friendly Backoffice
- Quick response to production incidents

## Developer Vodafone Hungary

Feb 14 - May 14

Development of a CRM system.

- Build a CRM based on a pre existing framework

### Technologies include:

- Java EE, jBoss, GWT
- WebMethods, SOAP, REST
- Oracle DB, Hibernate
- Git, Maven

### Achievements include:

- Company moved some manual processes using excel to use an automated system
- Successfully create a mechanism to handle complex client hierarchy and products

## Software Performance Engineer iTSCOM

Oct 13 - Feb 14

Responsible for improving a CRM system performance according to the client KPIs, development of automated tests including load tests.

- Detect and improve slow call to the server
- Create automated tests
- Create load tests
- Meet client KPIs

### Technologies include:

- Java EE, jBoss, GWT
- Jmeter, JUnit, Selenium
- Oracle, Hibernate
- SVN, Maven

### Achievements include:

- Faster CRM system improving that way the user experience
- All client KPIs achieved

