

# MIGUEL SOARES

## Software Engineer & DevOps Enthusiast

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## EXPERIENCE

### Software engineer / Team leader

#### Satcom International AG

2017 – OnGoing    Zurich, Switzerland

- Architecture and development of a smart ERP with IoT integration which included NFC, RFID and tracking devices. In this project I have worked mainly in designing the architecture, backend development, deployment using Kubernetes and optimizing of the working environment using automation and CI with Jenkins. This project also included an iOS and Android app which I was not part of development.
- The position of team leader of our team of 5 people (working remote), was shared between me and another engineer for the first half of my time at the company, where we shared the role of Scrum master and ensured that the sprint were executed. Tech stack: Spring boot, Angular 4+, PostgreSQL, Elasticsearch and Vertx.io
- Development and maintenance of a delay management system for public transportation of a major pharma company. Tech stack: Meteor, MongoDB, ExpressJS and Vertx.io (Java).

### Software engineer

#### Wiseware Solutions

2016-2017    Aveiro, Portugal

- Tech stack: PostgreSQL, Angular 2+, Java, Vertx.io, Ionic2, Jenkins  
Development of a IoT platform for indoor navigation, car parking and store advertisement using BLE beacons, targeted for shopping malls. In this project I've worked mainly of the REST backend written in Java with Vertx, a mobile App for end users using Ionic2 and a backoffice using Angular2+.

### Co-founder

#### Festock

2014 – 2017    Aveiro, Portugal

- Keywords: Software modeling, Java, Backend, REST, database design, project management  
Architecture, backend developer, server maintenance and deployment of a platform for film festivals, professionals and enthusiasts where it is possible to manage and share film related work.

### Researcher

#### Aveiro University

06/2016 – 11/2016    Aveiro, Portugal

- Keywords: R, Fortran, Software modeling, Data extraction and processing  
Development in R of a demographic prediction model based on a legacy model written in Fortran. Development of an GUI for the model in C.

## ABOUT ME

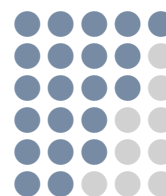
My interests include Linux, which I have been using for the last 10 years, IoT, architecture design, automatization and optimization, DevOps and lately I have been learning Clojure and the functional paradigm.

## STRENGTHS

Commercial awareness    Flexibility  
Working under pressure    Debugging

## SKILLS

Java  
SQL  
Bash  
JavaScript/TypeScript  
Jenkins pipeline DSL  
Clojure



## LANGUAGES

Portuguese  
English  
Spanish  
German



## SOFTWARE

Eclipse, Webstorm, IntelliJ, Spacemacs  
PostgreSQL, Elasticsearch, MongoDB  
Docker  
Kubernetes  
Jenkins

## REFEREES

Daniel Schnyder  
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wisewaresolutions.com

## Researcher

### Aveiro University

📅 02/2016 – 05/2016

📍 Aveiro, Portugal

- Keywords: R, Fortran, Software modeling, Data extraction and processing  
Development in R of a demographic prediction model based on a legacy model written in Fortran. Development of an GUI for the model in C.

## EDUCATION

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### MSc in Computer Engineering and Telematics

#### Aveiro University

📅 2013 – 2015

📍 Aveiro, Portugal

- Emphasis on: Software Engineering, Project management, Mobile computing, Distributed Systems, Software Security, Information retrieval, Embedded Systems, Computer Security, Concurrency
- MSc Thesis: Framework for Traffic Data Analysis and Drivers' Behavior  
Consisted in gathering data from heterogeneous sources about different factors that influence the driving behavior and store it along with traffic data from real driver in the data warehouse created. Allowing that way to analyze traffic data and drivers' behavior. I was also performed a study about NoSQL paradigms and database implementations

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### BSc in Computer Engineering and Telematics

#### Aveiro University

📅 2008 – 2013

📍 Aveiro, Portugal

- Emphasis on: Mathematics, Programming, Network concepts and architecture, Computer architecture, Operating Systems, Algorithm Complexity, Databases, System analyses and modeling