

# MIGUEL SOARES

## Software Engineer & DevOps Enthusiast

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Kloten, Zurich  
09/09/1990

Portuguese (B permit)



## EXPERIENCE

### Software engineer / Team leader

#### Satcom International AG

08/2017 – 05/2019

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 in designing the architecture, backend development, deployment using Kubernetes and optimization of the working environment using automation and CI with Jenkins. This project also included an iOS and Android app which I supervised but was not part of the development. Tech stack: Spring boot, Angular 4+, PostgreSQL, Elasticsearch and Vertx.io
- The position of team leader of a team of 5 people (working remote), was shared between me and another engineer for the first year at the company, where we shared the role of Scrum master.
- Development and maintenance of a delay management system for public transportation for one of the biggest pharma companies in Switzerland. Tech stack: Meteor, MongoDB, ExpressJS and Vertx.io (Java).

### Software engineer

#### Wiseware Solutions

11/2016 – 08/2017

Aveiro, Portugal

- Development of an 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+.
- Tech stack: PostgreSQL, Angular 2+, Java, Vertx.io, Ionic2, Jenkins

### Co-founder

#### Festock

2014 – 08/2017

Aveiro, Portugal

- Architecture, backend development, server maintenance and deployment of a platform for film festivals, professionals and enthusiasts where it is possible to manage and share film related work. I had a big role in project management and business development.
- Tech stack: Jersey, MySQL, Hibernate

### Researcher

#### Aveiro University

06/2016 – 11/2016

Aveiro, Portugal

- Development in R of a demographic prediction model based on a legacy model written in Fortran. Development of an GUI in C.
- Tech stack: R, Fortran, C

## ABOUT ME

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

## STRENGTHS

Commercial awareness

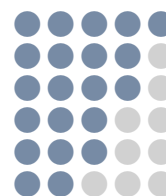
Flexibility

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 (CEO)  
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satcom-int.com

Gustavo Corrente (CTO)  
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wisewaresolutions.com

## Researcher

### Aveiro University

📅 02/2016 – 05/2016

📍 Aveiro, Portugal

- Development of a web interface for a real estate automated valuation model. Geographical data processing and presentation using Google Maps.
- Tech stack: Java, REST, HTML, CSS, Javascript, GIS, R, Shibboleth

## 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.
- 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. It 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.