

MIGUEL SOARES

Software Engineer & DevOps Enthusiast

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Kloten, Zurich
09/09/1990

Portuguese (Permission B)



EXPERIENCE

Software engineer / Team leader

Satcom International AG

08/2017 – Present 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)
@ daniel.schnyder@satcom-int.com
satcom-int.com

Gustavo Corrente (CTO)
@ gcorrente@gmail.com
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

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.

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.