

# Guilherme J. B. Seabra

SOFTWARE ENGINEER

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## Education

### FCT/UNL (Universidade NOVA de Lisboa)

Caparica, Portugal

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2013 - exp Jun. 2019

- MSc Avg. Grade: 16/20

## Skills

<b>Programming</b>	JAVA, C, SQL, Python
<b>Web</b>	JavaScript, React, Redux, Angular, HTML5, XML, JSON, CSS3
<b>Other Tools</b>	Adobe Experience Manager, MongoDB, Heroku, Docker, Git
<b>Languages</b>	Portuguese, English

## Experience

### Diconium digital solutions

Lisbon, Portugal

SOFTWARE ENGINEER

Jul. 2019 - Present

- Working as a Software developer for an e-commerce platform for selling handheld power equipment. The platform is in constant change, so all sorts of new features were developed - from new checkout logic to analytics - but this also resulted in the need for several bug fixes. I work the vast majority of time as a Front-end developer, but I also develop several functionalities in the middleware (Adobe IO), and in the CMS (Adobe Experience Manager). Scrum is the chosen agile framework for this project and so far we were able to successfully go live in four countries, with different languages.
- One of the things I enjoyed the most was having the opportunity to share my React/JS knowledge with colleagues from all over the company in a 'React Bootcamp'.
- Technologies used on a daily basis: JavaScript (React, Redux), HTML/CSS.
- Technologies frequently used: AEM, Azure DevOps.
- Technologies used sometimes: JAVA.

### FCT NOVA, Department of Informatics

Caparica, Portugal

MASTER'S DEGREE DISSERTATION RESEARCH (PROF. ARMANDA RODRIGUES)

Apr. 2018 - exp. Jun. 2019

- Created and implemented a context-based automatic adaptation model for Geographic Information Systems (GIS). Throughout this investigation I was responsible for creating a Web application where knowledgeable system administrators are able to define automatic adaptations for an Android application. This Android application for tourism was built as a proof of concept for the model. The application reads what the administrators defined on the configuration platform and changes its behaviour according to the specifications. As it was built as a tourism application, it was supported by points of interest which were stored on a separate server, also created and implemented throughout the investigation.
- Technologies used on the Configuration Platform: Node.js/Express.js, Angular, MongoDB.
- Technologies used on the Android application: Java.
- Technologies used on the Points of Interest server: Node.js/Express.js, PostgreSQL, PostGIS.
- Final Grade: 17/20

### B-Guest

Miraflores, Portugal

SOFTWARE DEVELOPER (INTERNSHIP)

Oct. 2016 - Feb. 2017

- Responsible for building a tablet application for simplifying the check-in process on hotels. This application was built from scratch using the NativeScript framework, which reads Angular/TypeScript code and generates both iOS and Android application files. Throughout this internship I also helped build some new features on the company's main Web application and API.
- Technologies used: NativeScript, Angular.

## Personal Projects

### SnowtripBot

TELEGRAM CHATBOT

- A chat bot for Telegram. Being a skiing enthusiast, I often think about my next snow trip. As my friends also enjoy winter sports, I have created a Telegram chat bot that can fetch relevant information for different ski resorts. For example, we can get weather forecast information, real-time pictures of the different resorts or the amount of open slopes for a desired location
- A working version can be found by starting a conversation with @SnowtripBot on Telegram.

## Oracle's chat bot

### DISCORD CHATBOT

- A chat bot for the Discord platform. This chat bot is used by me and a group of friends on a Discord server for entertainment purposes. It contains multiple commands such as an 8ball-like feature and a random name picker (from the user list). This project gets further developments whenever one of the members suggests a new feature.
- Technologies used: Java.

## Go Freddy!

### WEB APPLICATION

- A simple website containing a small exercise where one is able to define the desired duration. This exercise asks the user what is the new order of the symbols shown. The user is supposed to choose the correct answer as many times as possible. This project was developed in order to help a friend prepare for a job interview which required him to solve similar problems.
- Technologies used: AngularJS, HTML, CSS.
- Working version available on <https://gofreddy.herokuapp.com/>

## Excel Sorter

### JAVA APPLICATION

- A tool for sorting and managing the Excel file containing information regarding a precision shooting competition. This Java program was developed as the organization was having trouble dealing with the competition's requirements and asked me if I could build them a new and automatic way of solving their problems.

## Albearth

### WEB APPLICATION

- A responsive web application developed for the Geographic Information Technologies class. This application lists the different places available for studying (e.g. libraries, coffee shops, etc) in Portugal. The website also contains a sign up/in and rating system and all the studying places are introduced by registered users.
- A working version is available on <https://albearth.herokuapp.com>

## Extracurricular Activity

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### Complete Python Bootcamp: Go from zero to hero in Python 3

Udemy

#### STUDENT

Apr. 2019

- Learned to program in Python 3 through a Udemy course.
- Certificate available at: <https://www.udemy.com/certificate/UC-LG758S38/>

### Expo FCT 2018

Caparica, Portugal

#### VOLUNTEER

Apr. 2018

- Volunteer in 'Informática Artesanal's room. During this day my role was to help young students with small exercises based on checksums, graphs or possible algorithms for distributed systems. All these activities were performed while having no access to computers.

### Affinity Tech Talks (Introduction to Angular 5)

Lisbon, Portugal

#### PARTICIPANT

Nov. 2017

- Learned the basic concepts of Angular such as Components, Modules, Services, etc.

### FCT Coding Fest 2016

Caparica, Portugal

#### VOLUNTEER

Nov. 2016

- Volunteer in aiding and teaching primary school children in small programming exercises (through blocks) and helping them reach optimal solutions.