

## 👤 ABOUT ME

I am a backend web developer, with experience in frontend, currently based in Portugal. I take pride in writing clean and readable code. Besides web development my other programming interests include compilers, operating systems and software security. I have Portuguese citizenship and can work anywhere in the EU.

## 📁 WORK EXPERIENCE

### Backend Researcher (contract)

Feb 2020 - Jul 2020

INESC TEC - Porto, Portugal

Project is responsible for managing and implementing a security system for various DNA healthcare data backends. Responsible for:

- Adding an authentication and authorization system to a backend (PHP Laravel, MongoDB, OIDC, UMA 2).
- Implementing a middleware server for managing access control for any backend compliant with the AIRR ADC API (Java Spring, Redis, Postgres, OIDC, UMA 2).
- Migrating a backend to the AIRR ADC API (python flask, mysql).

### Fullstack (part-time)

Sep 2018 - Jan 2020

InvisibleCloud - Porto, Portugal

The company's SaaS, InvisibleCollector, is a system for automated debt collection and settlement. As part of the agile process, all features developed were small, with code review, testing and CI. Was responsible for:

- Maintaining and extending the functionality of the admin panel's frontend and backend for managing the service (VueJS, Ruby on Rails).
- Maintaining and extending the functionality of the backend exposing a REST API (Java Dropwizard, MariaDB) and extending the clients using this API (C#, Go).
- Migrating a service for debtor and debtee communication and debt settlement to a new tech stack, from server-rendered ruby on rails to an SPA with VueJS and a REST API on Java dropwizard.

### Internship

Jul 2018 - Sep 2018

InvisibleCloud - Porto, Portugal

The company's SaaS exposes a REST API which can be used by the company's clients to manage the product programmatically. As part of this service, was responsible for implementing and testing various REST HTTP client libraries in Java, C# and Go to ease the company client's integration with the API.

### Internship

Aug 2017 - Nov 2017

CISTER - Porto, Portugal

Project's goal was to add support for real-time systems to the linux kernel. Was responsible for implementing and testing various real-time process schedulers on a modified Linux kernel running on ARM which involved extending kernel functionality (C and bash).

## 🎓 EDUCATION

### M. Eng. - Informatics and Computing Engineering

Sep 2018 - Jul 2020

FEUP - Porto, Portugal

Grade Average: 17/20 (so far)

### B. Eng. - Informatics and Computing Engineering

Sep 2015 - Jul 2018

FEUP - Porto, Portugal

Grade Average: 18/20



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Software Engineer

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🌐 [Personal Website](#)

🌐 [LinkedIn Profile](#)

🔗 [GitHub Projects](#)

## ABOUT ME

Nationality: Portuguese

Location: Porto, Portugal

D.o.B.: 10/10/1995

## LANGUAGES

Ukrainian (native)

English (C2)

Portuguese (C2)

## INTERESTS

📖 Hiking

🎮 Video Games

## SELECTED PROJECTS

### Conway's Game of Life (CLI)

A small CLI program that runs a simulation of Conway's Game of Life. Built on Rust, and showcases my current development process, with clean code, functional testing and CI.

[Source Code](#)

### Personal Blog Website

A small, mobile friendly, website intended to run a developer's blog, running on Django. Features deployment using docker.

[Source Code](#)

### RMixer (Android App)

A Sound Editor/Mixer Android Application written on C# with Xamarin. Developed with a heavy emphasis on code structure and readability (OOP design principles).

[Source Code](#) [Play Store](#)

## SKILLS & PROFICIENCY

Experience	2 weeks to 3 months	3 months to 1 year	1 year or more
<b>Languages</b>	Rust Scala x86 asm	C C++ Go Typescript	Bash C# HTML+CSS Javascript Java PHP Python Ruby SQL
<b>Libraries</b>	Android Java API gRPC+Protobuff Keras nodeJS openCV ReactJS TensorFlow	ASP.NET Django Laravel Xamarin	Dropwizard Rails VueJS
<b>Tools</b>	AWS Kafka mongoDB RabbitMQ Redis Terraform	MySQL/MariaDB nginx Postgres SQLite	Docker git Linux