João Lucas **Pires**

SOFTWARE DEVELOPER · NETWORK ENGINEER

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Summary

Currently in the 5th year of the Networks & Computer Engineering Integrated Masters Degree @ FCUP.
Also working as a part-time software developer at AdEvolutio.
Some of my biggest interests are software and web-services development, network engineering and software/network security.

Work Experience

Evolutio   *Porto*

FULL STACK SOFTWARE DEVELOPER (PART-TIME)   *Sept. 2020 - PRESENT*

- Built front-end interface for a Web Application for insertion of real estate construction expenses. (React)
- Built Web App with online store for automotive services. (Django)
- Built online news website with a Content Management System. (Django/Wagtail)
- Web Component for object filtering. (Svelte)
- Web App with a form that allows creation of dynamic forms. (Django/JSON Schema)

Freelance Projects

Grupo Escolas de Condução Oliveira Lda.   *Maia, Porto*

SOFTWARE DEVELOPER/SYSTEM ADMINISTRATOR   *Jun. 2020 - PRESENT*

- Built Web App for management of driving schools. The App allows the management of customers, classes, exams, appointments, etc. It is also compatible with PDF exports and printing receipts on thermal printers.
- Installation and maintenance of application server and databases.

MEDI-MAIA Serviços Médicos Lda.   *Maia, Porto*

SOFTWARE DEVELOPER/SYSTEM ADMINISTRATOR   *Jun. 2019 - PRESENT*

- Installation and maintenance of computer systems.
- Deployed a program for dynamic generation of consent documents for personal data processing in compliance to GDPR.

FOCA Automotive Unipessoal Lda.   *Maia, Porto*

SOFTWARE DEVELOPER/SYSTEM ADMINISTRATOR   *2016 / Jun. 2019 - Sept. 2019 / PRESENT*

- Built Android app for booking car washes that allows vehicle registration and booking state checking.
- Built Web App to allow staff to manage bookings, contact customers and send invoices by e-mail.
- Built Web App to allow customers that don't have an Android device to book car washes using a web browser.
- Installation and maintenance of application server and databases.
- Maintenance of online shop. (2016)

FARCAR - Faria & Cardinal Lda.   *Maia, Porto*

SOFTWARE DEVELOPER/WEB DEVELOPER/SYSTEM ADMINISTRATOR   *Jun. 2016 - PRESENT*

- Deployed simple website for displaying company information and some vehicles. (2016)
- Deployed new version of the website that allows the display of the entire stock of vehicles. (2017)
- Deployed new version of the website with a more minimalist design that allows the display of the entire stock of vehicles with more information. (2018)
- Built Web App to allow staff to add vehicles, change order of display, declare sell state and register customers. (2018)
- Updated Web App to allow removal of vehicles, information and picture editing. (2019)
- Installation and maintenance of web server and databases.
- Installation of security cameras using Raspberry Pi modules with remote access.

Education

FCUP (Faculty of Sciences @ University Of Porto)   *Campo Alegre, Porto*

INTEGRATED MASTERS DEGREE IN NETWORKS & COMPUTER ENGINEERING   *Sept. 2016 - PRESENT*

ISEP (Institute of Engineering @ Polytechnic Of Porto)   *Porto*

DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING   *Sept. 2015 - Apr. 2016*

- Not Completed

Castêlo da Maia High School   *Maia, Porto*

HIGH SCHOOL DEGREE - SCIENCES AND TECHNOLOGY   *Sept. 2012 - Jul. 2015*

College Projects ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

OUTSIDE CLASSES

2019	**Lecturer**, HTML, CSS and Bootstrap Workshop	*FCUP*
2018	**Lecturer**, HTML and CSS Workshop	*FCUP*
2018	**Staff**, UPDATE 2018 - Computer Science Event	*FCUP*
2017-2019	**Member**, Computer Sciences Nucleus/Group	*FCUP*

INSIDE CLASSES

2020	**Geo-Centered App**, Simulation of virus infection using a dataset of taxi movements and graphical integration on a geographic map.	*Database Advanced Topics*
2020	**Web App**, Web Application for insertion of real estate construction expenses for future integration on a data warehouse.	*Internship*
2020	**Web App**, Web interface that connects to a control engine that allows the management of server states and UPS energy values.	*Embbeded Systems*
2019	**Android App**, Proof-Of-Concept of an app that receives temperature and humidity readings and controls a remote light.	*Network Advanced Topics*
2019	**Project Draft**, Integrated system that allows stock management of a supermarket via video cameras and 3D modelling of store corridors to identify product locations, future-proof in-store system to facilitate customer communication and AI-driven purchase suggestions.	*Software Project Management*
2018	**Web App**, Rides system ("Uber-like") with matchmaking using Google Maps API for defining current location.	*Software Architecture*
2017	**Web App Prototype**, Prototype of a web-based portal that records and displays statistics about usage of a "Complaints Portal"/"Virtual Complaints Book"	*Person-Machine Interaction*

Skills

Programming Languages

MOST USED PROGRAMMING LANGUAGES

- Python
- JavaScript/EcmaScript 6
- Dart
- PHP
- C
- C++
- Java

Frameworks

MOST USED FRAMEWORKS

- Django (Python)
- Bootstrap (HTML/CSS/JS)
- React (JS)
- Flutter (Dart)
- Svelte (JS)
- jQuery (JavaScript)
- NodeJS (JavaScript)
- Tkinter (Python)

Other valuable skills

SOME AUXILIARY SKILLS USED IN PREVIOUS WORKS

- HTML 5
- CSS 3
- SASS/SCSS
- JSON Schema 7
- Docker
- Wagtail
- MySQL
- MariaDB
- PostgreSQL
- Apache
- NGINX
- LaTeX
- Linux
- bash
- SEO
- Software design patterns
- UML diagrams
- Unitary Tests (PHPUnit, JUnit, Google Test)
- Fuzzing, pentesting and static analysis tools
- Microsoft Office

Languages

FAMILIAR SPEAKING/WRITING LANGUAGES

- Portuguese
- English
- Spanish