

João Lucas Pires

SOFTWARE DEVELOPER · NETWORK ENGINEERING

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Summary

Currently in the 4th year of the Networks & Computer Engineering Integrated Masters Degree @ FCUP.
Some of my biggest interests are software and web-services development, network engineering and software/network security.

Main Projects

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.
- Building Web App for patient data management and diagnostic archival in compliance to GDPR laws.

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.

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

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

Programming Languages

MOST USED PROGRAMMING LANGUAGES

- C
- C++
- Dart
- Java
- JavaScript
- PHP
- Python

Frameworks

MOST USED FRAMEWORKS

- Bootstrap (HTML/CSS/JS)
- Flutter (Dart)
- NodeJS (JavaScript)
- Tkinter (Python)

Other valuable skills

SOME AUXILIARY SKILLS USED IN PREVIOUS WORKS

- HTML5/CSS3
- MySQL
- Apache/NGINX
- LaTeX
- Linux
- bash Scripting
- 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

Education

FCUP (Faculty of Sciences @ University Of Porto)

INTEGRATED MASTERS DEGREE IN NETWORKS & COMPUTER ENGINEERING

Campo Alegre, Porto

Sept. 2016 - PRESENT

ISEP (Institute of Engineering @ Polytechnic Of Porto)

DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING

- Not Completed

Porto

Sept. 2015 - Apr. 2016

Castêlo da Maia High School

HIGH SCHOOL DEGREE - SCIENCES AND TECHNOLOGY

Maia, Porto

Sept. 2012 - Jul. 2015