

João Lucas Pires

SOFTWARE DEVELOPER · NETWORK ENGINEER

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Summary

Currently finishing my masters degree in Networks & Computer Engineering @ FCUP.

Also working full time as a software developer at AdEvolutio.

Some of my biggest interests are software, web-services development and devops engineering.

Work Experience

AdEvolutio

FULL STACK SOFTWARE DEVELOPER

Porto

Sept. 2020 - PRESENT

- Built front-end interface for a Web Application for insertion of real estate construction expenses. (ReactJS) [Link]
- Built website with online store for automotive services. (Django) [Link]
- Worked on developing an online news website with a Content Management System. (Django/Wagtail) [Link]
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- Worked on a Web Component for dynamic object filtering. (Svelte) [Project for Universidade do Porto]
- Created Web Component that allows creation of dynamic forms with visual manipulation. (Svelte) [Project for Universidade do Porto]
- Built Python package for Django to create wizard-like functionality easily. (Django) [Internal Project]
- Working on a Continuous Education portal with backoffice interface for management (Django) [Project for Universidade do Porto]
- Working on a Events website with backoffice interface for management (Django) [Project for Universidade do Porto]

DjangoCon 2021

PRESENTER/STAFF

Online

2021

Freelance Projects

Grupo Escolas de Condução Oliveira Lda.

SOFTWARE DEVELOPER/SYSTEM ADMINISTRATOR

Maia, Porto

Jun. 2020 - PRESENT

- Building hybrid app to allow students to view booked classes and exams. Also allows easy identification of the student using a QR code. (Ionic/ReactJS/Django)
- 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.

SOFTWARE DEVELOPER/SYSTEM ADMINISTRATOR

Maia, Porto

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. (Python/Tkinter)

FOCA Automotive Unipessoal Lda.

SOFTWARE DEVELOPER/SYSTEM ADMINISTRATOR

Maia, Porto

2016 / Jun. 2019 - Sept. 2019 / PRESENT

- Built a new Web App with improved interface, mobile responsiveness and social network authentication to allow car wash bookings. (Django)
- Built Android app for booking car washes that allows vehicle registration and booking state checking. (Flutter/NodeJS)
- Built Web App to allow staff to manage bookings, contact customers and send invoices by e-mail. (PHP)
- Built Web App to allow customers that don't have an Android device to book car washes using a web browser. (PHP)
- Installation and maintenance of application server and databases.
- Maintenance of online shop. (2016)

FARCAR - Faria & Cardinal Lda.

SOFTWARE DEVELOPER/WEB DEVELOPER/SYSTEM ADMINISTRATOR

Maia, Porto

Jun. 2016 - 2020

- Deployed simple website for displaying company information and some vehicles. (HTML, CSS) (2016)
- Deployed new version of the website that allows the display of the entire stock of vehicles. (PHP) (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. (PHP) (2018)
- Built Web App to allow staff to add vehicles, change order of display, declare sell state and register customers. (PHP) (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. (Linux)

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

*Porto**Sept. 2015 - Apr. 2016*

- Not Completed

Castêlo da Maia High School

HIGH SCHOOL DEGREE - SCIENCES AND TECHNOLOGY

*Maia, Porto**Sept. 2012 - Jul. 2015*

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

2021	Security Oriented application , Development of a P2P network system with a Kademlia protocol implementation together with a transactions module stored on a distributed blockchain. (Java)	Security of Systems and Data
2021	Mobile Application with AR , Prototype of a didactic interactive game for children with augmented reality for mobile devices. (C/Unity)	Graphical Computation
2020	Geo-Centered App , Simulation of virus infection using a dataset of taxi movements and graphical integration on a geographic map. (Python)	Database Advanced Topics
2020	Web App , Web Application for insertion of real estate construction expenses for future integration on a data warehouse. (Django)	Internship
2020	Web App , Web interface that connects to a control engine that allows the management of server states and UPS energy values. (Dart/Python)	Embedded Systems
2019	Android App , Proof-Of-Concept of an app that receives temperature and humidity readings and controls a remote light. (Dart/Python)	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. (Java/GWT)	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" (HTML/CSS)	Person-Machine Interaction

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)
- Ionic (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