Rúben Barros

Curriculum Vitae

| | **Experience** |

2015–2017 **Contract**, CBS Lda., Porto.
- Frontend lead in the Development of LabProt, a management platform for dental laboratories and clinics:
  - The platform uses **AngularJS** as its framework and uses **Grunt** to handle different tasks;
  - We use **Bootswatch** to provide our users a better interface, and **angular-translate** for internationalization;
  - To evaluate the correct functioning of the Frontend we use **Protractor**;
  - Code versioning and Continuous Integration is done through **GitLab**;
  - The platform went through a deep refactoring to optimize its code.
- Backend support:
  - The server and the database migrations are done through **Django** and **Django REST framework**.
- Project Lead in the Development of LabProt mobile App, an application for dental laboratories' couriers:
  - The application was developed with **ngCordova**, and uses the camera or a builtin barcode scanner to register the state of our products;

2014–2015 **Freelance**, Reglis, Lisbon.
- Frontend of a Web-app for dental laboratories to manage the state and location of dental prostheses. It was developed with **AngularJS** using a **Django** API.

2013–2015 **Researcher**, INESC Porto, Porto.
- Lead Developer of Cache and Storage service for the International AAL4ALL Project:
  - These were prototyped and developed with **Scala** and the most recent Not Only SQL (NoSQL) storage technologies, more specifically **MongoDB**. Later they were modified to use clustering techniques for replication, as to increase the performance.
  - In parallel we studied good practices for automatic deployment of systems based in virtual file systems provided by **Docker**. This technology allowed us to develop a test environment with capacity to store several millions of messages, facilitating the deployment to the project ecossystem and to scale it's storage capacity dynamically.
  - The development used **TDD** techniques and **GitLab** as the version control.
- Development support of AALMQ service:
  - The same deployment techniques described above were replicated in this project.
  - As the application evolved, tests were created to confirm the correct behavior of the service.

Rua Jaime Leão Pinto, nº 31 1ºEsq – Paços de Ferreira, 4590-869
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2013–2013 **Internship**, INESC PORTO, Oporto.
- ○ Research and skill learning to develop the internship project.
- ○ Development of an entity registry service for the AAL4ALL Project using **Scala**, **Play Framework** and **AngularJS**.

2010–2010 **Internship**, YOUON, Famalicão.
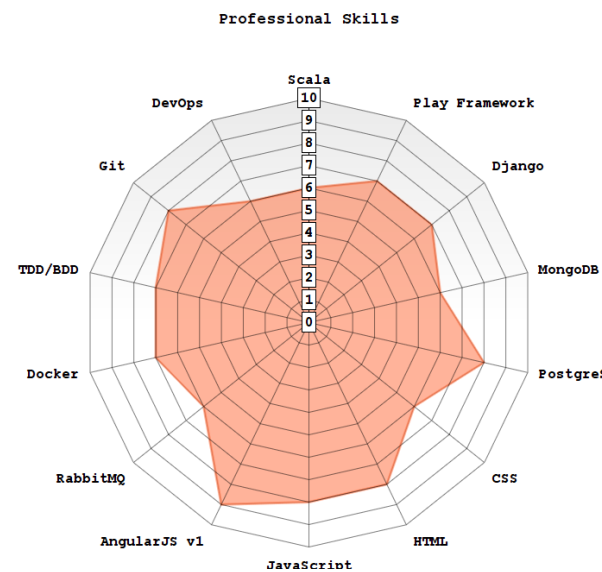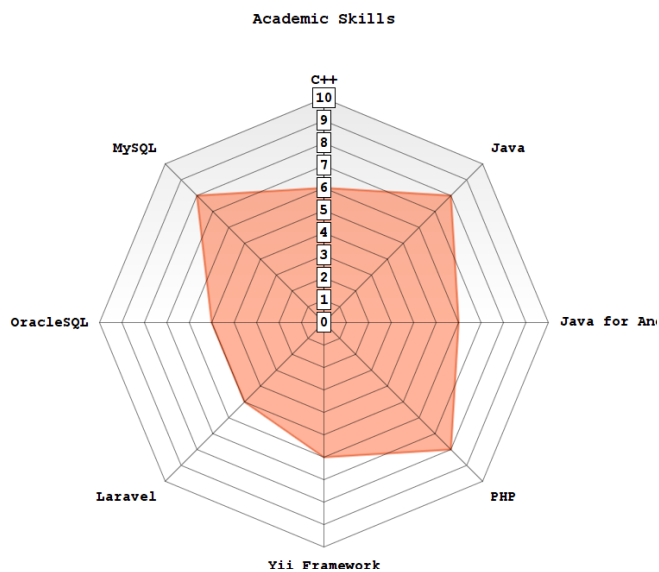- ○ Website development using **PHP** and **XML**.

Portfolio

Github   https://github.com/xumbino

Education

2014–2016 **Masters in Computer Science**, *Instituto Superior de Engenharia do Porto*, Oporto, *Branch – Computer Systems*.
Thesis title: *DevOps Tecnhologies for Tomorrow*

2010–2014 **Informatics Engineering (Bolonha 1st cycle degree)**, *Instituto Superior de Engenharia do Porto*, Oporto.

2012–2013 **Information Tecnhology**, *Hogeschool*, Ghent, Belgium.

2007–2010 **Technical Management and Programming of Informatic Systems**, *Oficina - Escola Profissional do Instituto Nun'Alvres*, Santo Tirso.

Skills

Academic Skills

Professional Skills

Languages

Portuguese   **Mothertongue**
English   **Advanced**

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