



# Adolfo Peixinho

## Curriculum Vitae

### Personal Details

Date of Birth **12-07-1979.**  
Place of Birth **Aveiro - Glória.**  
Nationality **Portuguese.**

### Experience

#### Professional

2020-2021 **Sr. Design Tool Specialist, VodafoneZiggo, Utrecht.**

Creating and managing design baselines for all designers and architects through requirements and design tooling. This includes the (components, interfaces, use cases, etc.) of the IT landscape. Managing and adjusting the design model, helping designers and architects in creating designs through the tools and adding data to improve the quality and coverage of the baseline.

We used, in no particular order, at least the following technologies:

- TopTeam Analyst
- Python, Excel, VBA

2018-2019 **DevOps, KPN, Amersfoort.**

Support for iTV targeted advertising squad. Implement continuous integration - continuous delivery methodologies and environments for the software being developed by iTV TA squad.

We used, in no particular order, at least the following technologies:

- Kubernetes, Docker
- Jenkins, Ansible, shell scripting

2017 **DevOps (Consultant), NS, Utrecht.**

Maintenance of current test-framework. Implement a proof of concept of the development environment for integration in the software delivery process.

We used, in no particular order, at least the following technologies:

- docker, gradle, shell scripting
- Intershop 7.7, OracleDB-EE-12c

- 2017 **Software Developer - DevOps (Internal)**, *Tricode*, Veenendaal.  
Maintenance and development of Tricode's internal software quality assessment framework  
We used, in no particular order, at least the following technologies:
- JEE, SpringBoot, Maven, NPM, Node
  - Angular2, Electron, MySQL, docker, Selenium
- 2017 **Software Developer (Internal)**, *Tricode*, Veenendaal.  
Upgrade of Tricode's website to the latest Magnolia CMS release  
We used, in no particular order, at least the following technologies:
- JEE, Magnolia Enterprise 5.5, JCR, Maven
  - Freemarker, JQuery, YAML
- 2017 **Software Developer (Consultant)**, *Liberty Global - LGI*, Amsterdam.  
Worked maintaining and developing new features for the LGI E-Commerce, sales layer platform  
We used, in no particular order, at least the following technologies:
- JEE, Spring Framework, Maven, Hibernate
  - Freemarker, Selenium, JUnit, Mockito, Gigaspaces, SoapUI, Vagrant, Swagger, Ansible
- 2016 **Software Developer (Internal)**, *Tricode*, Veenendaal.  
Worked on the proof of concept to migrate websites into Adobe Experience Manager.  
We used, in no particular order, at least the following technologies:
- Adobe Experience Manager
  - JEE, Spring Framework, OSGi
- 2015-2016 **Java Developer**, *Cycleon*, Utrecht.  
I was responsible for maintenance tasks on Cycleon's reverse logistics main SaaS platform.  
We used, in no particular order, at least the following technologies:
- Postgres, SQL
  - JEE, Spring Framework, Struts
  - Hibernate, Tomcat, Pentaho, JasperReports
  - JQuery, Javascript, HTML, CSS
- 2014-2015 **Software Engineer**, *Multicert*, Porto.  
I was co-responsible for the architecture specification and documentation, development and testing of Multicert Electronic Voting System integration with Continuous Development (CI) infrastructure for post client certification and later product deployment.  
Working the development, integration, staging, production stack.  
We used, in no particular order, at least the following technologies:
- Vagrant, VirtualBox, Bash (+ other GNU-Linux goods)
  - JEE, Spring Framework, spock
  - Postgres, Hibernate, JPA, Tomcat
  - JQuery, Javascript, HTML5, CSS, Bootstrap
  - ... and, of course, also [google](#), [stackoverflow](#) and other APIs docs
- 2014 **Web Developer**, *MAHLE*, Murtede.  
MAHLE GmbH is an automotive parts manufacturer based in Stuttgart, Germany. It is one of the 30 largest automotive suppliers worldwide. I was responsible for the infrastructure upgrade of the previous local technical library website

## Academic

- 2012 **Research Fellowship Grant**, PRICE ("Privacy, Reliability and Integrity in Cloud Environments"), Instituto das Telecomunicações IT - (Coimbra - Covilhã).

Some of the work developed during *PRICE* was included in my Master Thesis.

To develop the *PRICE* framework I used, in no particular order, at least the following technologies:

- VirtualBox, Bash (+ other GNU-Linux goods)
- Eclipse, Netbeans, Java, JEE, JSF
- MySQL, Hibernate, JPA
- JQuery, Javascript, HTML, CSS
- JBoss, Glassfish
- EJBCA (for the Certificate Authority)

## Occupational

- 2012 **Microsoft® Imagine Cup Competition**, *Game Design*, Windows Phone 7.

A couple of fellows get together and decide they want to take a shot at the "new" Windows Phone 7 SDK paraphernalia.

To develop the mobile game for the competition, we used:

- Windows Phone 7 SDK
- Windows XNA Game Studio
- Microsoft Visual Studio
- *decent* amounts of coffee
- Achieved the 3<sup>rd</sup> stage of the competition (one more stage and we would go to Australia for the finals)

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## Education

- 2013 **Master in Computer Engineering**, *Universidade da Beira Interior*, Covilhã, Portugal.

### Master's Thesis

Title Threshold Cryptography in Digital Certificates

Supervisors Professor Paul Andrew Crocker and Professor Simão de Melo Sousa

Description Threshold Cryptography Framework, with the use of CA (Certificate Authority) and PKI (Public Key Infrastructure). The Threshold Scheme is supported by adding an extension to Digital Certificates (cryptographic token) in order to implement Shamir's Secret Sharing Scheme

Research Fellowship Grant *PRICE* ("Privacy, Reliability and Integrity in Cloud Environments") by Instituto das Telecomunicações IT-(Coimbra//Covilhã) integrated in Masters Dissertation

- 2011 **Degree in Computer Engineering**, *Universidade da Beira Interior*, Covilhã, Portugal.

### Degree Project

Title Biometric Recognition through the Shape of the Ear

Supervisors Professor Hugo Pedro Martins Proença Carriço

Description Human ears detection system, through the method of extraction of invariant features using SIFT (Scale Invariant Feature Transform)

## Extra-Curricular Formation

- 2012 **CISCO® CCNA Exploration: Network Fundamentals**, Universidade da Beira Interior, Covilhã, Portugal.
- 2012 **MATLAB® Professional Development of Programs**, Universidade da Beira Interior, Covilhã, Portugal.
- 2009 **Formation in Creation of Database Structures in SQL**, *AECBP*, Associação Empresarial da Covilhã, Belmonte e Penamacor, Covilhã, Portugal.
- 2009 **Entrepreneurship Formation in Energy and Climate Change**, Universidade da Beira Interior, Covilhã, Portugal.
- 2009 **Pedagogical Formation of Trainers - CAP V**, Universidade da Beira Interior, Covilhã, Portugal.

## Extra-Curricular Activities

- 2012 **Microsoft® Imagine Cup Competition**, *Game Design*, Windows Phone 7.  
Relevant aspects of the competition:
  - Achieved the 3<sup>rd</sup> stage of the competition
- 2010 **Workshop on Signal Processing**, Universidade da Beira Interior, Covilhã, Portugal.

## Scientific Articles

- 2014 **Secret Sharing Framework based on Digital Certificates**, *European Conference on Cyber Warfare and Security ECCWS*, University of Piraeus, Greece.
- 2012 **Secret Sharing for High Security Codes on Smart-Cards**, *European Conference on Information Warfare and Security ECIW*, University of Jyväskylä, Finland.
- 2011 **UBEAR: A Dataset of Ear Images Captured On-the-move in Uncontrolled Conditions**, *IEEE Workshop on Computational Intelligence in Biometrics and Identity Management CIBIM*, Paris, France.

## Communication Skills

- 2010 Oral Presentation in Workshop on Signal and Image Processing at Universidade da Beira Interior

## Languages

|            |                     |
|------------|---------------------|
| Portuguese | <b>Mothertongue</b> |
| English    | <b>Advanced</b>     |
| Dutch      | <b>Basic</b>        |

*Written and conversational fluency*  
*Basic words and phrases only*