Adolfo Peixinho

Curriculum Vitae

Personal Details

Date of Birth **12-07-1979**.
Nationality **Portuguese**.
Residence **Portugal** , *Aveiro* .

Experience

Professional

2023- **Software Developer**, *APSIDE*, Aveiro.
Develop and maintain new software features for APSIDE clients. Contribute to technical discussions to align with Agile processes and maintenance of APSIDE clients software
The following technologies were used, in no particular order:
- Java 17, SpringBoot 2, Maven, Angular
- Oracle DB, Rancher

2021-2022 **Software Developer**, *Europeana*, Den-Haag.
Develop and maintain the Metis ingestion framework and work on the integration with Europeana Cloud. Contribute to technical discussions for the addition or modifications of components in the Europeana architecture. Contribute to the maintenance and update of the overview of the Europeana aggregation systems architecture as appropriate .
The following technologies were used, in no particular order:
- Java 11, SpringBoot 2, Maven, Artifactory, Jenkins
- PostgresDB, MongoDB, RabbitMQ, Solr

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.
The following technologies were used, in no particular order:
- TopTeam Analyst,Internet Information Server, Windows Server
- Python, Excel, VBA, MS SQL

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.
The following technologies were used, in no particular order:
- Kubernetes, Docker, Network Management
- Java 8, SpringBoot, Maven
- Jenkins, Ansible, SonarQube, Nexus, Shell scripts

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.
The following technologies were used, in no particular order:
- Docker, Gradle, Shell scripts
- Intershop 7.7, OracleDB-EE-12c

2017 **Software Developer - DevOps (Internal)**, *Tricode*, Veenendaal.

Maintenance and development of Tricode's internal software quality assessment framework
The following technologies were used, in no particular order:
- Java 8, 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
The following technologies were used, in no particular order:
- Java 8, 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
The following technologies were used, in no particular order:
- Java 8, 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.
The following technologies were used, in no particular order:
- Adobe Experience Manager
- Java 8, Spring Framework, OSGi

2015-2016 **Java Developer**, *Cycleon*, Utrecht.

I was responsible for maintenance tasks on Cycleon's reverse logistics main SaaS platform.
The following technologies were used, in no particular order:
- Postgres, SQL
- Java 8, 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.

The following technologies were used, in no particular order:
○ Vagrant, VirtualBox, Bash (+ other GNU-Linux goods)
○ Java 8, 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.

The following technologies were used, in no particular order:
○ VirtualBox, Bash (+ other GNU-Linux resources)
○ Eclipse, Netbeans, Java, Java 7, Java Server Faces
○ 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.

The following technologies were used, in no particular order:
○ Windows Phone 7 SDK
○ Windows XNA Game Studio
○ Microsoft Visual Studio
○ *indecent* amounts of coffee
○ Achieved the 3rd stage of the competition (one more stage and we would go to Australia for the finals)

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 3rd 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 **Mothertongue**

English **Advanced**   *Written and conversational fluency*

Dutch **Basic**   *Conversational, but challenging*