

## Personal information

First name(s) / Surname(s) **João Machete**  
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Nationality Portuguese  
Date of birth 14/03/1984  
Gender Male

## Summary

Software Engineer with a good understanding of a diverse range of Computer Science. Confidently contribute to a full development lifecycle, delivering work of the highest quality while working to fixed deadlines. Highly self-motivated and flexible. Experience with Agile Software Development Methodologies, Object-Oriented Programming, Relational Databases, Object-Relational Mapping, Multithreading, distributed systems for Parallel processing and Artificial Intelligence. Strong communication skills enable integration with and effective communication across all teams within an organization.

## Work experience

**Imano PLC, London** – Android Developer (January 2011 – Present)

**Framestore CFC, London** – Render Pipeline Specialist (November 2009 – December 2010)  
Understanding productions 3D/2D render pipeline. Monitoring and managing data from a large scale super computer. Troubleshooting infrastructure servers and escalate problems. Developing accurate data visualization tools to support the analysis of the IO render data. Developing high performance tools and scripts for the parallel processing of massive quantities of data.

Main technologies used: Python, Shell scripting, MYSQL, Test Driven Development.

Worked on movies: Avatar(2009), Sherlock Holmes(2009), Prince of Percia(2010), Nanny Mcphee 2(2010), Clash of the Titans(2010): Your Highness(2010).

## Education

Dates October 2004 - October 2009  
Title of qualification awarded **B.S. in Computer Science Engineering**  
Name and type of organisation providing education and training **Superior School of Technology, Polytechnic Institute of Setubal - Setubal, Portugal**  
Principal subjects/occupational skills covered Software Engineering; Electronics and Metrology, Operating Systems; Databases; Project Management; Analysis and Design of Information Systems; Networks and Communications; Artificial Intelligence; Financial management; Management for Industrial Operations, Mathematics, Computer Graphics.  
Final Project **ENA OCR** - Optical Character Recognition Software, developed in Java, that generates ASCII text, from multiple Image Files and export the results to differents formats or external databases in seconds

## Education

Dates  
Name and type of organisation providing  
education and training

September 2007 - February 2008  
**Erasmus Exchange in Wroclaw University of Technology, Wroclaw, Poland**

## Trainee

Dates  
Name and type of organisation providing  
education and training

September 2003 - February 2004  
**Nessie, LDA, Portugal** – Web Developer (Java, JSP, Apache Derby)  
**Beltrão Coelho, SA, Portugal** – Systems & Network Administration(Unix, Mysql)

## Languages skills

Native language  
Fluent In:

**Portuguese**  
**English, Spanish**

## Computer skills

**Programming Languages:** Java, Python, C/C++, PHP, C#, JavaScript, etc..  
**Framework Technologies:** QT, J2EE, Hadoop, Spring, Swing, JUnit, UML, GWT, Android SDK/NDK, OpenGL.  
**Server Technologies:** Jboss, Tomcat, Sun Application Server.  
**Database Technologies:** HBase, MySQL, SQLite, GAE, PostgreSQL, SQL, PL/SQL.  
**Operating Systems:** Windows, Linux, Android  
**Tools:** QT, .NET, Eclipse, Git, Valgrind, Ant, Subversion, Maven, Maya.  
**Methodologies:** Agile Software Development Methodologies, SCRUM and Test Driven Development.  
**Computer Graphics:** CG development and Simulations, Data Visualization, Image Processing

**Interests**

Sports, Travel, Music Production, Socializing, Hacking.

