

Iván Cruces  
121, Keppoch Street ~ Cardiff, UK, CF24 3JT  
Phone: +447724760048 ~ [ivancruces@gmail.com](mailto:ivancruces@gmail.com)  
<http://www.ivancruces.com>

## Profile

Software engineer with more than seven years of professional experience Java, Distributed Systems, Unix, Web technologies, unit and integration testing and agile environments. In my spare time I like to develop with Python and web frameworks like Django. I am a self-motivated person with a positive and can-do attitude who likes to have a technical book always in hand and is eager to learn new technologies. I enjoy working in a team but I am an autonomous and proactive person as well.

## Education

<b>Masters research degree in Artificial Intelligence and Software Engineering</b>	<b>2009-2011</b>
<i>University of Malaga. Málaga, Spain</i>	
<b>Computer Scientist and Engineer degree</b>	<b>2001-2008</b>
<i>University of Malaga. Málaga, Spain</i>	

## Employment History

<b>Object Matrix Ltd. Cardiff, UK</b>	
<i>Senior software engineer</i>	<b>April 2012-present</b>

- Distributed systems development using Java, for a scalable and reliable storage solution (Big Data) for the Broadcasting industry.
- Design and implementation of a distributed search engine with Lucene.
- Project leader and full stack developer in a Single-page application project using AngularJs, SASS and Spring frameworks.
- Distributed data with Hazelcast and Riak database (NoSQL).
- Unit and integration testing.
- Linux, Bash and Python scripting.
- Customer support.
- Agile environment and source control.

<b>Artificial Intelligence research group, University of Málaga. Spain</b>	
<i>Project researcher</i>	<b>2008-2012</b>

- Research, design and development of intelligent e-learning systems.
- Java EE development (web services, relational databases, XML, etc.).
- Front-End development with HTML, CSS and JavaScript/JQuery.
- Integration with Moodle platform.
- Writing of research papers and posters.

<b>Asamiol. Cádiz, Spain</b>	
<i>Computer teacher for people with learning disabilities</i>	<b>2007-2008</b>

- Teach fundamental computer skills.
- Responsible for planning a curriculum.

## **Skills Summary**

### **Programming Languages**

Java, Python and C++.

### **Web Technologies**

Java EE, Spring, Django and Flask (Python), REST, XML, JSON, HTML/CSS/JavaScript (JQuery and AngularJS).

### **Databases**

Relational and distributed databases (Riak). Hibernate.

### **Operative Systems**

Linux, OS X and Windows.

### **Others**

UML, Svn, Git, Apache Ant, Maven, Agile development, unit and integration testing.

## **Language Skills**

**Spanish:** Native.

**English:** Full professional proficiency.

## **Publications**

I. Cruces, M. Trella, R. Conejo and J. Gálvez: “**Student Modeling Services for Hybrid Web Applications**”, in Proceedings of International Workshop on Architectures and Building Blocks of Web-Based User-Adaptive Systems (UMAP 2010), June 2010, Big Island of Hawaii (USA), (pp. 1-12)

## **References**

If required, ask me for contact details of any of my previous employers.