



# Kévin Gallardo

22 years

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London, United Kingdom

*Software engineer, and Distributed systems devotee.*

## Career Objective

My strongly distributed systems oriented higher education gave me a boost into this wide, progressively becoming a new industry standard, world of big data. Since then, I am engaged in an everyday fight with softwares and libraries I am building to make them become the best available products on the market.

## Work Experience

**SEPT 2015 - PRESENT**

### **DATASTAX - SOFTWARE ENGINEER**

Contributor to the open source projects Java Driver for Apache Cassandra, and Python Driver for Apache Cassandra. Main architect and developer of DataStax drivers integration of the new graph database solution, DSE Graph. Also involved in DSE Graph's core development troubleshooting and debugging. Heavily involved in open source community support (public driver's mailing list, Stackoverflow threads) and DataStax's commercial support for all DSE components (Apache Cassandra, Apache Spark, Apache Solr, Apache Tinkerpop and TitanDB).

**MARCH 2015 - SEPT 2015**

### **DATASTAX - DEV INTERN**

Contributor to the Java Driver for Apache Cassandra project. Main developer of DataStax's project Cassandra Detection Tool.

**JUNE 2014 - AUGUST 2014**

### **LIP6 - RESEARCH ASSISTANT**

BIGOS/VM, development of measurement and monitoring techniques on large-scale multiprocessors systems. Application of these techniques within a project to build a more efficient virtual machines supervisor (Xen).

**Keywords :** *Xen, Virtualization, Research, Monitoring, NUMA Architectures, Linux Kernel.*

## Skills

**Big Data:** Java, Cassandra, Gremlin, Spark, Netty, Scala, Akka, Mesos, Kafka, Play framework, JPA, Hadoop.

**Distributed algorithms:** Failure Detectors, Shared Consistent datasets, Consensus (Paxos), CheckPointing, Diffusion Protocols (reliable, best-effort, causal/atomic broadcast), Scalability.

**Systems:** MacOS (advanced), Unix (advanced), Windows (medium).

**Languages:** English fluent, French native.

## Education

2013 - NOW

### MASTER'S DEGREE - SORBONNE UNIVERSITÉS (PARIS)

Specialised in **Distributed Systems and Applications**.

From bare mutli-core processor's architectures, through OS kernels, to high level scalable applications and frameworks design. Thorough understanding of nowadays large scale distributed systems.

**Keywords :** *Distributed Algorithms, Service Oriented Applications, OS Kernels, Big Data, Multi-Core Architectures, Real-time embedded systems.*

2010 - 2013

### BACHELOR'S DEGREE - TOULON-VAR UNIVERSITY

In **Computer Science** (Honors 2.1, and 2<sup>nd</sup> of the promotion).

Principles of algorithms, various programming languages, human-computer interfaces, mechanics of operating systems and web programming.

**Keywords:** *Programming languages (C/C++, Java, Python, SQL, Flex Bison/YACC, Matlab/Scilab), Human-Computer interfaces, Web programming (HTML, PHP, JS).*

## Besides Work?

Wow, have you really read this far?

**Hobbies and sports:** Pursuing a certification in Particle Physics and Nuclear Physics. Regular skydiver, dance teacher for 3 years, after 10 years of practice, heavy crossfit practitioner, military education during 1 year in parallel of the studies.

**Associative:** Treasurer of the students Association in IT at university. Manager of the Association's funds and purchases. Responsible for the organisation of student events (game tournaments, presentations, forums) and private lessons for students with difficulties.

**College:** Representative of the students of the Master's degree. Representative of the Students of the last year Bachelor's degree.