

# Joel Pinheiro

## Software Engineer

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## Summary

Hello, I'm a **Software Engineer** from Porto, Portugal. I'm currently working at **Blip** as **big data engineer** on the backend side. I spend most of my time **designing** and **developing** awesome projects. I define myself as a **full stack engineer** with know how of software **architecture**, **scalability** and **performance**. I am able to adapt to **multicultural environments**, gained through several **experiences abroad**. My main interests are **Security**, **Big Data**, **Machine Learning**, **Trading** and **Web**.

## Work History

Big Data Engineer Oct 2017 - Now  
Blip.pt

**Project:** Betfair system for processing real-time streaming data with amassive scalability, distributed and fault-tolerant/fail fast recovery systems. **Technologies:** big data techs such as Kafka, Cassandra, Storm, Redis, Zookeeper using Java or Scala programming.

Software Engineer Sep 2016 - Oct 2017  
Consultant @ ING Bank & BNP Paribas (Brussels)

**Project:** Online Leasing Solution & Reporting Tool. **Technologies:** Java 8, Spring Boot, Spring Security, GWT, Hibernate/JPA, JavaScript (ECMA5), Unit/Integration Tests, Maven, Nexus, Jenkins, Git + GitLab.

Researcher Apr 2015 - Jan 2016  
Instituto de Telecomunicações

**Project:** IoT Decentralised Framework. **Technologies:** JavaScript (ECMA 5 / 6), TypeScript, HTML5 tools such as WebRTC, web threads (WebWorkers), UnitTests, Gulp.

Software Engineer 2014 - 2014  
FIS, Amsterdam (Netherlands)

**Project:** Online Banking Solution for Harrods Bank. **Technologies:** Java Enterprise (Struts, Spring), Tomcat, GTM Database and Web Development.

Java Developer 2009 - 2011  
CA Informática - Credito Agricola, Lisbon (Portugal)

**Application:** Calypso (financial solution - Java Web Start Application) Projects: Foreign Exchange, Bonds, Bloomberg Interface **Technologies:** Java, Oracle Database 10g, Microsoft Visual SourceSafe, WSDL.

## Education

Bachelor & Master's in Computer and Telematics Engineering 2011 - 2016  
University of Aveiro

Favorite Courses: Operating Systems, Algorithms And Complexity, Programming I-III, Computer Architecture, Data Bases, Network Architecture, Security, Distributed Systems , Concurrent Programming and Audio And Video Coding.

## Projects Portfolio / Open Source Software

iTrading (Side Project): [joelpinheiro.github.io/itrading](https://joelpinheiro.github.io/itrading)

Github Repository: [github.com/joelpinheiro](https://github.com/joelpinheiro)

## Skills

### Java

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**Six years of experience.** Three years of enterprise level experience and three more in university. This is the language I feel most comfortable to use in order to solve any problem. **Currently studying to be a Java 8 certified developer.**

### Javascript

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**Two years of experience.** Highly used on professional/academic projects.

### Python

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**One year of experience.** Academic experience and some side projects. Take a look at Projects Portfolio section.

### C/C++

████████████████████  
Academic experience. Take a look at Projects Portfolio section.

### Scala

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Currently doing the Martin Odersky' Scala specialisation of Coursera.

## Techs/Frameworks

NodeJS, Spring, GWT, CherryPy, Atom Shell (Electron), JAX-RS/Jetty, Express, Socket.io, Django, Angular.JS, JQuery, Meteor.JS, D3, Hibernate/JPA.

## Tools

Docker, NGINX, Chef, Vagrant, Puppet, Ansible, Jenkins, Maven.

## Certifications

- **Java SE 8** Oracle Certified Professional  
- **Scrum Master** Accredited Certification by Scrum Institute

- **Principles of functional programming in Scala** by Martin Odersky (Coursera)