

# ruiOliveira

Software Engineer

## aboutMe

### info

Rui Pedro A. Oliveira  
Portuguese, UE  
1994.11.10  
Male  
<http://ruioliveiras.eu>

### languages

portuguese  
english

### programming

Scala, Java, C,  
Akka,  
Javascript,  
Sql, NoSql  
(Couchchbase)  
Git, Linux ♥

I'm a developer since 2010. My first steps in Computer Science were in the high school in a programming course, the final project of this course is highlighted bellow. Then, I continued the studies by engaging in a BSc in Informatics Engineering, a course with a strong focus on the foundations of functional and object-oriented programming. To complete the education background I did a summer internship.

After completing the BSc I started working as Full-Stack developer, creating Software as a Service. This project was used also to experiment new technology such as: Scala, Akka, Play, Swagger, Couchbase.

## experience

- |           |   |                 |
|-----------|---|-----------------|
| 2015-2016 | <b>Impacting Group</b><br><i>Software Engineer - Full-Stack Developer (1 year 7 months)</i><br>Research and development of Software as a Service: <ul style="list-style-type: none"><li>• Centralized Log Solution (working prototype)</li><li>• Centralized User management (Production ready)</li><li>• Subscription management (Production ready)</li></ul> keywords: Java, Spring, Maven, Scala, Akka, Play, SBT, NoSQL (couchbase), Swagger, | Porto, Portugal |
| 2014      | <b>Wondeotec - emailbidding.com</b><br><i>Summer Internship (2 months)</i><br>Participation in the development of EmailBidding, a email marketing platform, made in Symfony2. Highlights: Php, Symfony2, team working with scrum and JIRA.  | Porto, Portugal |
| 2012      | <b>Codevision</b><br><i>Professional Internship (2 months)</i><br>Development of a mobile web application (Javascript - Sencha Touch framework, Visual Studio, MVC Architecture)  | Braga, Portugal |

## education

- |           |   |                               |
|-----------|---|-------------------------------|
| 2012-2015 | <b>BSc in Informatics Engineering</b><br>Comprehensive and prestiged course in computer science and informatics engineering. Highlights: object-oriented, functional and imperative programming; Algorithms and data structures; Relational database architecture and management; Distributed Systems - concurrency and synchronization. Degree grade: 16 | University of Minho, Portugal |
| 2009-2012 | <b>Professional Course</b> High School<br><i>Professional Course in Management and Programming of Computer Systems.</i> Highlights: introduction to C, .Net and Java programming languages. Final project: development of an Android Application (see below in awards). Internship: Codevision (see below in experience). Degree grade: 17                | Didaxis, Portugal             |

## other skills

- 2016 **Market Prospection: Web Summit 2016** Lisbon, Portugal  
I went to Web summit 2016 to get market feedback about the SaaS that we was creating in Impacting Group,
- 2014 **Speaking: Php Introduction** University of Minho, Portugal  
Workshop based course. Subjects: HTML, PHP and Laravel Framework.
- 2013 **Entrepreneur: My Project is Entrepreneur** Municipal award, Vila Nova de Famalicão (Portugal)  
Final project of the Professional Course, an Android application. It was winner of a entrepreneur conquest.
- 2011 **Competitor: ONI (5<sup>th</sup> place)** Programming Competition, Porto (Portugal)  
ONI is the Portuguese National Olympiads of Informatics.

## portfolio (<https://bitbucket.org/ruioliveiras>)

- 2016 **Personal Blog** (<http://ruioliveiras.eu>) Porto, Portugal  
I have done this blog using a static generator (HarpJS). I'm creating a Scala tutorial in the following link: <http://ruioliveiras.eu/post/scala-tutorial.html>
- 2015 **Musical challenge application Client/Server** University of Minho, Portugal  
Application created with Java. Allows the existence of many inter-connected servers, with each client connecting to one server. Technical highlights:
- Client/Server communication using UDP Datagrams
  - Server/Server communication using TCP sockets
  - UDP datagram fragmentation system
- 2014 **CRUD management Application for Habitat Portugal** University of Minho, Portugal  
CRUD management Application made with Java and MySQL database. Technical highlights:
- Three layers: View, Business, Data.
  - Database with triggers
  - Generic interface design
- 2013 **C++ File Compressor, Shannon Fano algorithm** University of Minho, Portugal  
Implementation highlights:
- Graphs algorithms;
  - Dynamic allocated memory;
  - Bitwise operation;