



Sergio Almendros Diaz

Curriculum Vitae

Education

- 2011–2015 **Bachelor's degree in Telematics Engineering**, *Pompeu Fabra University*, Barcelona.
- 2009–2015 **Bachelor's degree in Computer Science**, *Pompeu Fabra University*, Barcelona.
- 2007–2009 **CFGS in Telecommunication Systems and Computer Science**, *F.P. Llefia*, Badalona.

Bachelor's Degree in Computer Sciences Final Project

- Title *A bottom up sensor testbed*
- Supervisors Professor Jaume Barcelo
- Description This project involves the creation of a sensor node using an arduino YUN which, with a big amount of them, could create a sensor network, developed and used by the final users.

Bachelor's Degree in Telematics Engineering Final Project

- Title *Decision Trees for the optimization of heart failure management*
- Supervisors Professors Anders Jonsson and Oscar Camara
- Description This project aims at improving Heart Failure Management using machine learning algorithms.

Experience

- March 2020–Present **Software Backend Developer**, REDPOINTS, Barcelona.
- Development of REST API

Stack:

- Java 8/14
- Spring framework
- PostgreSQL
- Redis
- Bamboo
- AWS

Terrassa, Spain 08913

📞 636 83 28 53 • ✉ sergio.almendros.diaz@gmail.com

1/2

- 2017–March **Software Backend Developer**, ZITRO, Sant Quirze del Valles.
 2020 Development of REST microservices for mobile apps and web applications using Java and Spring framework.
- Stack:
- Java 8
 - Spring framework
 - Consul
 - MongoDB
 - MySQL
 - Redis
 - RabbitMQ
 - Cassandra
 - Nexus
 - Jenkins
 - Docker (docker swarm)
- 2014–2017 **Product Development Engineer**, KEONN TECHNOLOGIES, Barcelona.
 Development of products working with RFID technology.
- Detailed tasks:
- Developing and deploying applications in Java and C/C++ in Linux ARM (BeagleBone) and Linux x64. Applications to control this devices with internal RESTful services.
 - Developing scripts in Bash to control and monitor this devices.
 - Technical support to customers (installers and programmers).
- Oct 2013–Jul 2014 **Assistant Researcher**, POMPEU FABRA UNIVERSITY, Barcelona.
 Development of a project under the Commons for Europe framework.
- Detailed achievements:
- Develop an arduino code to collect sensor data.
 - Develop a python script to communicate with a platform called opendata through REST API's.

Computer skills

Intermediate	JAVA
Basic	BASH
Low	SCALA, C++, NODEJS, PYTHON

Languages

Mothertongue	Spanish and Catalan
Intermediate	English

B2 level certified for MECR

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2/2