Sergio Almendros Diaz

Curriculum Vitae

Education

2017	**LPIC-1: Linux System Administrator**, *PUE*, Barcelona.
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

2017–Present   **Software Backend Developer**, ZITRO, Sant Quirze del Valles.
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.

2009   **Computer technician**, SCHOOL OF SANT GABRIEL, Sant Adria.
My functions were to maintain the computer equipment, solve software and hardware problems

Computer skills

Intermediate   JAVA, BASH
Basic   C++
Basic   NODEJS, HTML5, PYTHON, LaTeX, OpenOffice, Linux, Microsoft Windows

Languages

Mothertongue   **Spanish and Catalan**
Intermediate   **English**   *B2 level certified for MECR*