

Félix Prado García

Telecom and Computer Engineer

+34 620 720 225
mail@felixprado.com
http://felixprado.com
felixpradogarcia



Experience

- Jul 2013 **Software Developer**, *Ericsson*, Málaga, Spain.
currently Development of SON-OM product, a network management system for the automatic optimization of radio networks. SON (Self-Organizing Networks) is a multi-vendor product which gives support to Ericsson, NSN, Huawei and Alcatel-Lucent networks in GSM, WCDMA and LTE technologies. Main tasks: development, analysis, testing and debugging. Agile Methodology: SCRUM. Scrum master for one year: team management, task splitting, decision making, preparation and moderation of meetings and ceremonies, team interface with the rest of teams, Scrum Masters, Product Owner and Agile Manager. Technologies: Java, Maven, MySQL, XML, GWT, SVN, GIT, Jenkins, JIRA, 2G, 3G/UMTS, 4G/LTE.
- Oct 2012 **Research assistant**, *Software Engineering Research Group*, University of Malaga, Spain.
- Jul 2013 RESCUE project: research on Internet of Things software architecture aspects. Software development for devices using Web Services (WS-*) and Service Oriented Architecture (SOA). Orchestration and composition of services over heterogeneous devices: motes, RaspberryPi, .NET Gadgeteer.

Education

- Oct 2012 **Final project**, *Politecnico di Milano*, Italy.
Implementation of a HTTP-[CoAP](#) proxy with observe mode in the field of IoT.
- 2010-2012 **Master of Science in Computer Engineering**, *Politecnico di Milano*, Italy.
Bilateral agreement Double Degree under the T.I.M.E. program (Top Industrial Managers for Europe). Two academic years studying in the Politecnico di Milano, with high prestige on Computer Science worldwide. Study plan: English track with some courses taken in Italian.
- 2009-2010 **Telecommunication Engineering**, *Polytechnic University of Valencia*, Spain, SICUE Program: academic program between national universities.
- 2005-2009 **Telecommunication Engineering**, *University of Seville*, Spain, Speciality of Telematics: network architectures, communication protocols, programming.

Technical skills

Languages	C, Java, Python and R	Tools	Eclipse, Maven, SVN, GIT
Data	SQL, XML	Methodology	Agile: SCRUM, JIRA
IoT	6LowPan, 802.15.4, CoAP, DPWS	Radio	Fundamentals on GSM, UMTS and LTE
Learning	Java 8, Functional Programming, Spring, R, Machine Learning, Statistics, Tableau		

Languages

English **read, spoken, written: C1**
Italian **read, spoken, written: B2**
French **read, spoken, written: A2**

M.Sc. taken in English
Stay of two years in Italy
Short periods and courses in France

Additional training

- Apr 2013 **MOOC: Android, programming**, *Polytechnic University of Valencia*, MiriadaX.
- Jul 2014 **MOOC: Functional Programming Principles in Scala**, *École polytechnique fédérale de Lausanne*, Coursera.
- Ago 2015 **MOOC: Development of cloud services using HTML5, Javascript and Node.js**, *Polytechnic University of Madrid*, MiriadaX.
- Dec 2015 **MOOC: R Programming**, *Johns Hopkins University*, Coursera.
- Jan 2016 **MOOC: Java Data structures: Measuring and Optimizing Performance**, *University of California, San Diego*, Coursera.
- Feb 2016 **MOOC: Python Data Structures**, *University of Michigan*, Coursera.
- Feb 2016 **MOOC: Using Python to Access Web Data**, *University of Michigan*, Coursera.
- Mar 2016 **MOOC: Using Databases with Python**, *University of Michigan*, Coursera.
- Mar 2016 **MOOC: Introduction to Business Intelligence and Big Data**, *Open University of Catalonia*, MiriadaX.

Volunteer work

- Jan 2015 currently Digital sessions in [Andalucía Compromiso Digital](#). I have tried to provide some digital skills to people with low knowledge of computer abilities and risk of digital divide. Different topics tackled, usually on demand of the participants: basics on Internet, security, Office suite, operative systems, etc.

Interests

I focused on the Telematics branch during my first years in the Telecom Degree and I became familiar with network protocols and programming languages. Then, I had the opportunity of getting a Master of Science in Computer Engineering where I could gain more specific knowledge in Computer Science subjects. In my final project, I discovered the incoming field of Internet of Things which combined both worlds and I continued working on that topic later on, as a researcher at the University of Malaga. After that, I started working for Ericsson on a product that allows major telecom operators in the world automate the optimization of their mobile networks by using SON (Self-Organizing Network) algorithms. In addition to my developer tasks, I have played the role of Scrum Master of a eight-people team following the SCRUM agile methodology.

I am interested in different but somehow close topics: software engineering and programming, data analysis, communication protocols and teams and project management. I enjoy developing software and I love managing, analyzing and visualizing data; that is the reason why I have started to learn about Data Science by myself: in the concepts that support it (statistics, Machine Learning, Data Mining) and the most common tools in this field (R, Python, Tableau, MongoDB). Besides those already mentioned, STEM education (Science, Technology, Engineering and Mathematics) in current and future generations is another field I follow closely.