Adrian Galera Egea

Curriculum Vitae

▬▬▬ Interests

Software engineering, Machine Learning, Artificial Intelligence, Mobile Applications, Internet of the Things, Multimedia

▬▬▬ Experience

2013 - Present **Senior Java Developer**, NICEPEOPLEATWORK, Barcelona.

Nicepeopleatwork is a company that focuses on providing business inteligence solutions for the online media industry. The company provides real time analytics, monitoring and CDN load balancing through the usage of plugins within the customer's media players. Over the course of the last years I have:

Eased data mining process by extracting information from database and storing it in a very efficient format. Developed fraudulent usage detection algorithms

Collaborated with the team to migrate the previous architecture to a micro services based solution

Performed data explotation and processing: data gathering from databases, report creation, metric creation, ...

Led the plugin development team and developed solutions for several technologies such as: Android, Javascript, Roku Brightscript, Flash (AS3), C#. Performed customer in-house integrations in New York, Santa Clara, San Francisco, London and Paris

Developed a servicce to be used by the QA department in order to be able to perform very technical tasks such as: DNS masquerade, manage network latencies, vpns, etc ... through a very easy to use web interface running on a Raspberry Pi

2012–2013 **Java and Android Developer**, Universitat Politècnica de Catalunya, Castelldefels.
Developer in e-health projects inside BAMPLA workgroup. As a member of the BAMPLA workgroup I have:

Collaborated to develop an IoT backend designed to receive events from multiple devices

Built several mobile applications (Android, PhoneGap) in order to populate the platform with e-health information, such as medication timings

Gathered information from a connected gymnasium through RFID devices and Bluetooth interfaces deployed on a Raspberry Pi

Built a multi platform streaming service using WebRTC and MotionJPEG compression technique

2010 - 2011 **Multimedia developer**, UPC-Fundació i2cat, Castelldefels.
Development of online transcoding system, high performance streaming and image processing

2009 - 2010 **Testing Engineer**, UPC-Fundació i2cat, Castelldefels.
Evaluation of a telepresence system based on Set-Top-Boxes for medical environment

Technical Skills

Languages

Java, Python, Android, Javascript, Scala, Groovy, Roku Brighscript, Flash (AS3), C#, Arduino, C++, C, PHP

Frameworks and Libraries

Simple Framework, Spring Framework, NodeJS, Hibernate, Struts, Jersey, Grails, Apache Kafka, HazelCast, SciKit, Falcon

Databases

MySQL, MongoDB, Druid, Neo4J

Education

Official

2011 **Master Thesis: Benefits of batch provisioning in a PCE-based grid service interconnection network**, *Kungliga Tekniska Högskolan (KTH)*, Stockholm.
With honors

2009–2011 **Master of Science in Telecommunications Engineering and Management**, *Universitat Politècnica de Catalunya*, Castelldefels.
Average grade: 8

2009–2011 **Telecommunication engineering**, *Universitat Politècnica de Catalunya*, Castelldefels.
Average grade: 7.9

2005–2009 **Telecommunication technical engineering, specialized in Telematics**, *Universitat Politècnica de Catalunya*, Castelldefels.
Average grade: 7

Informal

2015 **Audio Signal Processing for Music Applications**, *Coursera*, https://es.coursera.org/learn/audio-signal-processing.

2014 **Machine learning**, *Coursera*, https://es.coursera.org/learn/machine-learning.

2013 **Functional programming principles in Scala**, *Coursera*, https://es.coursera.org/learn/progfun1.

2012 **Programming a robotic car**, *Udacity*, https://www.udacity.com/course/cs373.

2012 **Circuits and electronics**, *MITx*, https://6002x.mitx.mit.edu/.

Languages

Spanish **Native**

Catalan **Native**

English **Intermediate** *Cambridge FCE*

Interests

○ Ski touring ○ Running

○ Electronic music ○ Reading