



Adrian Galera Egea

Curriculum Vitae

Keywords

Development, Python, Java, AWS, TDD, Android, IoT, Machine Learning, Multimedia

Experience

- 2017 - **Senior Backend Developer**, SENSEFIELDS, Barcelona.
Present Redesign and implementation of the Traffic Analytics Platform: build a massively scalable IoT Python serverless solution deployed on AWS
Develop an IoT platform to let our customers implement a vehicle sharing service.
Implementation of a high performance messaging middleware: its performance is based on a Akka cluster and the usage of the Actor model.
- 2013 - 2017 **Senior Java Developer**, NICEPEOPLEATWORK, Barcelona.
Multi-model ETL Process: MySQL, Apache Kafka, Druid and custom based solutions
Design and implement a custom data warehouse service to develop Business Intelligence algorithms on top
Migrate the previous architecture to a micro services based solution
Led the plugin development team. Performed customer in-house integrations in New York, Santa Clara, San Francisco, London and Paris
- 2012-2013 **Research Developer**, UNIVERSITAT POLITÈCNICA DE CATALUNYA, Castelldefels.
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 cross platform streaming service using WebRTC and MotionJPEG compression technique
- 2008 - 2011 **Internship and Multimedia developer**, UPC-FUNDACIÓ I2CAT, Castelldefels.
Development of online transcoding system, high performance streaming and image processing
Evaluation of a telepresence system based on Set-Top-Boxes for medical environment

Technical Skills

- Programming Languages **Python, Java, Android, Javascript, Scala, PHP.**
- Unit testing **JUnit, Mockito, Unittest, Mocha, Jenkins.**

Crta Barcelona, 10 2 1 – Sabadell, 08205

☎ 667 093 100 • ✉ adrian.galera.87@gmail.com
[linkedin.com/in/adriangalera](https://www.linkedin.com/in/adriangalera) github.com/adriangalera

Devops **Grafana, Docker, Fabric, Boto3.**

Cloud **AWS: API Gateway, CloudFront, Cognito, DynamoDB, EC2, ECS, Kinesis, Lambda, S3**
Google Cloud: Compute Engine, Compute Storage
DigitalOcean: Droplets.

Databases **MySQL/MariaDB, PostgreSQL, DynamoDB, Redis, 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 |