

Adrian Galera Egea

Staff Software Engineer

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SUMMARY

Accomplished Staff Software Engineer with over 15 years of experience in developing and leading scalable software solutions. Expertise in e-commerce services, IoT platforms, and data analytics, with a proven track record in cost reduction, performance optimization, and mentoring. Strong leadership and mentoring skills with a commitment to clean code practices.

PROFESSIONAL EXPERIENCE

Staff Software Engineer, Ocado Technology, Barcelona (2018 - Present)

- Develop multiple core e-commerce services: communications, receipts, marketing preferences, and SEO servicing more than one million operations per week.
- Lead the department migration from NewRelic to the Prometheus/Grafana stack with a cost reduction of 30%.
- Produce multiple internal support tools used widely in the company, both inside and outside the team reducing the support time by 80%.
- Introduce the usage of LocalStack: contribute to an internal open-source framework to support the usage of LocalStack by any employee of the company. Reduced the iteration cycle by 90%.
- Mentor 4 new team members, lead Clean Code master classes for 5 interns promotions, recruit and participate in 10+ feedback processes.

Senior Software Engineer, Sensefields, Barcelona (2017-2018)

- Re-architected the Traffic Analytics Platform by developing a massively scalable IoT Python serverless solution deployed on AWS, receiving live traffic data from 50+ locations.
- Created an IoT platform to enable our customers to create a vehicle sharing service of 100+ vehicles.
- Produced a high-performance messaging middleware: its performance was based on an Akka cluster and the usage of the Actor model. Each event was processed in the order of 10 milliseconds.

Software Engineer, Nicepeopleatwork, Barcelona (2013-2017)

- Operated a video data analytics ingestion platform receiving millions of events per second.
- Authored a custom data warehouse to store hundreds of terabytes of data to be used to run Business Intelligence algorithms.
- Performed 5 customer in-house integrations on customers based on New York, Santa Clara, San Francisco, London, and Paris.

Researcher, Universitat Politècnica de Catalunya, Castelldefels (2008-2013)

- Pioneered an IoT backend designed to receive events from 100s of medical devices.
- Published 5 mobile applications (Android, PhoneGap) to populate the platform with e-health information, such as medication timings.
- Proposed a cross-platform streaming service using WebRTC and MJPEG compression technique.
- Refined an online transcoding system, high-performance streaming, and image processing.

EDUCATION

Kungliga Tekniska Högskolan, KTH, Stockholm

- Master Thesis: Benefits of batch provisioning in a PCE-based grid service interconnection network, With honors

Universitat Politècnica de Catalunya, UPC, Castelldefels

- Telecommunication engineering and Master of Science in Telecommunications Engineering and Management
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SKILLS

- Ecommerce
- Internet Of Things
- Video streaming
- Collaboration
- Automation
- Team player
- Effective communication
- Problem solving
- Java
- Python
- AWS
- Docker
- Javascript
- GCP
- On-Premise
- MQTT
- PostgreSQL / MySQL
- DynamoDB
- Druid
- MongoDB
- Spring Framework
- Terraform
- HazelCast
- Akka