

# Daniel MEDINA

dmedinag.github.io

dmedinag@pm.me

## Education and awards

- **Universidad Carlos III** BS in Computer Science and Engineering, Madrid, Spain 2013-2018.
- **University of Waterloo** BS in Computer Science exchange program, Waterloo, Canada 2016-2017.
- Native **Spanish**, fluency in **English** (C2 certified by the British Council) and basic French.
- Winner of the 9th ENISE **Cybersecurity Awareness prize**, by the Spanish INCIBE (León, Oct 2015). Winner of the **Founder Institute Prize**, overall top 6 at Hackatown (Montreal, Feb 2017). Winner of the **P&G Hackathon I** for Southern Europe (Madrid, Nov 2017).
- Sponsored Mountain Bike rider in Spain for several years, awarded with some national team medals.

## Professional experience

- **Software Engineer**, *American Express*, November 2018-Present in London, United Kingdom.

Building from scratch a **Global, Composable and Real Time Accounts Receivable platform**. My experience in microservices ecosystems and was key when taking part in the **decision making process** of **MARS** (Modernized Accounts Receivable System). Together with the aforementioned product, I worked on my **leadership skills** to incrementally deliver a framework along the way with my team in our ambition to become ambassadors of the **DDD, CQRS** and **Event Sourcing** values.

My personal interest has lead me as well to the **infrastructure, CI/CD pipelines, architecture, testing strategies and domain exploration of MARS**. I feel this gives me an invaluable experience to tackle this and any other projects, contributing to the success of the business and my team. Besides, this has encouraged me to constantly find ways to broaden my knowledge **using the available tools to learn** and bringing others with me achieving the team goals.

- **Software Developer**, *Brandcrumb*, May 2017-October 2018 in Madrid, Spain.

Creating ad-hoc solutions for businesses, solving their x-sell and up-sell mechanisms in a fully cloud-based architecture on AWS. I experienced the benefits and limitations of working in a small team with a startup-like mindset. Encouraged to always seek for the perfect tool for each new project, I was able to experiment with a great variety of technologies.

## Skills and technologies I am familiar with

- **Spring Webflux, Reactor, JPA, Hibernate** java frameworks.
- Containerizing applications with **Docker**, running on a custom or an **EKS K8s** cluster in AWS.
- Relational databases like **Cassandra, MySQL or PostgreSQL**.
- Non relational databases like the **ELK stack, Redis, Redshift or Memcached**.
- **Kafka, Logstash** and **SQS** as message-passing systems.
- **Microservices** as **REST APIs**. Logic running on either **Python (3.7)**, **Java (12)** or **Node**.
- CI/CD pipelines with **Jenkins** and **Codship**.
- Client side user tracking in **Node** with **Mocha** for testing (via cookie sync).
- Other essential skills like advanced **git** or **common UNIX commands**.
- Other technologies used in POCs or personal projects like **Android, Django, Flask, Keras, OpenGL, Bootstrap** or **Hadoop**.
- Other languages I've worked on: **Ruby, Scala, Go, C++, C, MIPS, PHP** and **many more**. I'm definitely willing and not afraid to learn any other as needed.