

Antonio Alonso Dominguez

Principal Software Engineer

Profile

Experienced Software Engineer specialised on JVM backend applications with solid foundations on architecture, software design and full software product lifecycle.

As many like me, I spent most of my career working with *traditional OOP* languages; but I became a functional programmer advocate and mentor after having the chance to successfully put into production several services using FP principles.

Experience

2016–now **Principal Software Engineer**, *Rentalcars.com/Booking.com*, Manchester, UK.

Data & Reporting department

Achievements:

- Built from the ground up two real-time analytics platforms using Lamda Architecture:
 - A customer-centric segmentation platform for customer personalisation purposes.
 - A framework and backend for multi-variant testing of our front-end, in which hundreds of A/B experiments are run on a daily basis.
- *Re-engineered for scalability* a big chunk of our taxi service **Rideways.com** (now Booking Taxis) prior to our fusion with Booking.com so it could handle the upcoming load.
- Introduced the practice of *mob programming* as a way of creating a cohesive team and upskilling quickly the members with some experience gap in relation to the senior members.
- Successfully mentored several developers into becoming Scala developers.

2015–2016 **Software Team Leader**, *Rentalcars.com*, Manchester, UK.

Communications Platform

Achievements:

- No more outages. This platform used to have severe outages every single week, which were extremely costly. This was achieved by:
 - Removing queues, we changed it from having 25 different queues to just 2.
 - Re-design the data model, which was stored in Couchbase, so the operation of the platform would produce less object mutations and therefore trigger compaction less often.
 - Used lock-free asynchronous (reactive) programming for streamlining the IO work.
 - Deleting loads of code, seriously, we had a 75% of code duplication at the start.
- Reduced cost of operation by moving from bare metal to virtualized environment.
- As a by-product, we got a 3x throughput increase and hability to handle a load at least 10 times bigger than the standard operation.
- First project in the company using an agile methodology and techniques like pair programming and TDD.

2014–2015 **Senior Software Engineer**, *Nektan*, London, UK.

description

- 2012–2014 **Senior Software Engineer**, *Magnetise Group*, London, UK, Contractor.
description
- 2011–2012 **Application Architect**, *GE Capital*, Manchester, UK, Contractor.
description
- 2010–2011 **Senior Software Engineer**, *Indra Software Labs*, A Coruña, Spain.
description
- 2007–2010 **Software Engineer**, *Softek GDC Europe*, A Coruña, Spain.
description
- 2005–2007 **Software Engineer**, *Interlogical Data Systems*, A Coruña, Spain.
description

Languages

Spanish	Native	Comment
Galician	Native	Comment
Italian	B1	Comment