

Adrian Lopez Perez

Professional Summary

Software Engineer, Hacker and problem solver with strong leadership skills and extensive experience in Functional Programming with Scala. Have shown exceptional skills developing Web based cloud applications, services and APIs on business critical environments including ticketing and B2B operations.

Key strengths include: creation of reliable systems that provide a high level of performance and stability, being able to work effectively on the whole stack of a Web application, strong interest in learning and passion to take on challenging tasks.

Even more importantly, I am a very self motivated individual who can work effectively within a team and has the tools to drive others to create better and simpler code and embrace agile practices and deliver more value to the business.

Skills

Functional programming
Web Application Architecture
Library Design
Scala - Java
Tagless Final

Monad Transformers
AWS
Docker
ZIO - Cats & Cats Effects
AkkaHttp - Http4s

Akka - Akka cluster
SQL & NoSQL
Microservices
Elasticsearch - MongoDB
Haskell - Typescript - Idris

Career History

Team Lead and Engineering Manager at Artos limited

Since October 2017

- Responsible for the design of the Aventus platform microservices architecture as well as leading the team responsible for it's implementation using functional Scala, AWS SQS and Kafka.
- Usage of a multitude of data stores depending on each service needs like DynamoDB, Elasticsearch, Postgres and the Ethereum network.
- Work alongside the CTO and Product team to define functional and nonfunctional requirements.
- Perform architectural reviews to identify possible flaws and non-functional requirements.
- Direct the company's CI/CD strategy and production infrastructure on AWS.

Key achievements

- Helped on the creation of a the most focussed and productive team with a drive to learn and self improvement.
- Key role in the implementation of an eventually consistent CQRS microservice architecture able to leverage cloud infrastructure to scale automatically.
- Conducted various in house training sessions on Scala, Akka and platform architecture.
- Received Best team player Award.

Team Lead at Adstream

January 2016 to October 2017

- Responsible for the design and implementation of reactive business critical Scala and Akka applications on a service oriented environment, as well as the system's health and release plans.
- Lead on agile ceremonies and responsible of implementing team practices and agile processes to reduce overhead and increase the team's velocity and satisfaction.
- Liaise with stakeholders to define goals and deadlines.
- Heavily involved in the recruitment process for own and other teams.

Key achievements

- Improved the project's release process by using continuous integration practices.
- Dramatically boosted the system's throughput by analysing computational complexity and removing bottlenecks.
- Key role in rising code quality, stability and test coverage.
- Greatly increased testability of the system by decoupling the multiple service layers.
- Promoted company culture by organising talks, encourage conference and community event attendance.
- Taking responsibility on refactoring a sizeable part of a large system.
- Received AStar Award.

Previous roles

- Lead Developer at GLW Solutions October 2014 to January 2016
- Lead Developer at Clubtickets Limited November 2010 to September 2014
- Java Web Developer at UC3M LaBDA September 2008 to September 2010
- Java and Web Developer at iSOCO September 2007 to September 2008

Education

- Lightbend Akka for Scala - Expert 2018
- Parallel programming by Coursera 2016
- Functional Program Design in Scala by Coursera 2016
- Principles of Reactive Programming by Coursera 2014
- Functional Programming Principles in Scala by Coursera 2014
- Degree in Computer Science by Universidad Carlos III de Madrid (Spain) 2010