

# Server as a Function

- 2013 Whitepaper from Marius Eriksen @ Twitter
- Defined 2 major concepts:
  - **Service** represents System Boundaries
  - **Filter** used to apply I/O transformation and stateful effects



- Protocol agnostic RPC system
- In production @ Twitter
- Fault tolerance baked in
- Scala + Netty

# Concept: Future

**“Represents the result of an Asynchronous operation.”**

- 2 end states: Value and Exception
- Manipulate with: `map()` / `flatMap()` / `handle()` / `rescue()`
- Can get the result with `Await` - but never block!!