

# Bruno Guilherme de Barros Valério

## Engineering Manager | Flink



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|                             |                      |                           |              |                   |                        |
|-----------------------------|----------------------|---------------------------|--------------|-------------------|------------------------|
| Distributed Systems         | Teamwork             | Communication             | Leadership   | People Management | Functional Programming |
| Object-Oriented Programming | Reactive Programming | Event Driven Architecture | CQRS         | Microservices     | Cloud Native Apps      |
| AWS                         | GCP                  | REST API                  | gRPC         | GraphQL           | Akka Stack             |
| Split-Brain Resolver        | CAP Theorem          | Apache Cassandra          | Apache Flink | Apache Kafka      | SQL                    |
| Redis                       | Elasticsearch        | Scala                     | Kotlin       | Java              | Go                     |
| C++                         |                      |                           |              |                   |                        |

## Professional Experience

July 2017 - April 2019

### Software Developer at Stone Pagamentos, Rio de Janeiro

Developed concurrent systems in Scala, focusing on real-time data monitoring and processing. Utilized Functional Programming, Domain-Driven Design (DDD), Command Query Responsibility Segregation (CQRS), and Event Sourcing to build highly available, fault-tolerant, and horizontally scalable systems. Implemented and integrated technologies such as Akka, Akka Cluster, Akka Streams, Apache Kafka, Apache ZooKeeper, Apache Flink, RabbitMQ, InfluxDB, MySQL and MongoDB. Created REST APIs to enable seamless internet-based communication for these systems.

- Scala

Akka

Akka Streams

Akka Cluster

Akka HTTP

Apache Kafka

MySQL

RabbitMQ

InfluxDB

Docker

Microservices

REST API

Reactive Programming

Functional Programming

Elasticsearch

Logstash

Kibana

Grafana

## Additional Experience