

# Mariano Gappa

Senior Software Engineer with 14.6 years of industry experience as of Jul 2024

✉ [mariano.gappa@gmail.com](mailto:mariano.gappa@gmail.com) 🌐 <https://github.com/marianogappa> 🌐 <http://marianogappa.github.io/>  
🐦 <https://twitter.com/marianogappa>

• 5-year Information Systems Engineering degree (equivalent to Master degree) @ UTN-FRBA

• Most knowledgeable in  Go  Python  Databases  AWS  Kubernetes  Microservices  Kafka

## Work Experience Highlights (out of 12 jobs starting Jan 2006) [See all](#)

### Software Engineer @ Cloudquery

 Go

📅 May 2024 - Present (3 months) 🌐 <https://www.cloudquery.io/>

- First memory profiling of main product, leading to **84% memory usage reduction**.
- Implemented **incremental sync feature**, enabling order of magnitude reduction in sync times.

### Software Engineer @ Oaknorth

 Python  Typescript  AWS

📅 Jan 2021 - May 2024 (3.4 years) 🌐 <https://www.oaknorth.co.uk/>

- Implemented significant (up to 25x) performance improvements on Pandas-based critical ETL features on their largest client that were timing out.
- Migrated Django-based large-scale SaaS offering without downtime, involving multi-team and multi-vertical effort.
- Transitioned from a fortnightly-release monolith exposing GraphQL endpoints to a CircleCI CI/CD SoA architecture exposing FastAPI-based REST endpoints without downtime.
- Designed key real-time financial alert evaluation system based on SQLAlchemy-managed Postgres backend that allowed previously unfeasible live tinkering with alert rule creation.

### Software Engineer @ Fat Llama

 Typescript  Go  AWS  Python

📅 Jan 2019 - Jan 2021 (2.1 years) 🌐 <https://fatllama.com>

- Senior engineer taking the startup from Series A to Series B.
- Designed and implemented core business processes e.g. inventory, seller payouts, logistics integration, partnerships integrations, payment platform test modes.
- Implemented stateful microservices feature and optimised CI pipelines.








### Software Engineer Squad Lead @ Movio

 Spark  Scala  AWS  Python

📅 Feb 2018 - Dec 2018 (11 months) 🌐 <https://movio.co/en/>

- Led the team that built Movio's Datawarehouse.

### Software Engineer @ Movio

 Go  Scala  PHP  MariaDB  AWS  
 Kubernetes  Kafka  Cassandra  Python

📅 Sep 2013 - Jan 2018 (4.4 years) 🌐 <https://movio.co/en/>

- 2017: led 3-person team that implemented service that **saved \$50k/yr in AWS cost and benchmarked 80% faster on avg**; blogpost peaking at **#2** on **Hacker News** & featured in **Golang Weekly #206**
- 2016: was key advocate and enabler for **migration from Scala to Go**, and from monolith to microservices; blogpost peaking at **#5** on **Hacker News**, and featured in **Golang Weekly #144** & **Scala Times #154**
- 2015: formed 4-person team that implemented custom columnar database replication on top of MySQL
- 2014: formed 3-person team that migrated large legacy product with new offering without downtime
- Authored open source tools currently being used by the engineers, and many teams around the world

## Open Source Projects Highlights (out of 8 projects) [See all](#)

### Crypto Candles: universal crypto candlestick iterator library & CLI

 Go

🌐 <https://github.com/marianogappa/crypto-candles>

- Supports all major crypto exchanges, built-in caching, retries, patching data holes.

### Signal Checker: crypto signal fact-checking

 Go

🌐 <https://github.com/marianogappa/signal-checker>

- CLI tool, server & importable Go library to check the results of crypto signals against an exchange's historical data.

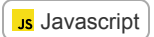
### chart: quick & smart charting for STDIN



🔗 <https://github.com/marianogappa/chart> 📄 [Blogpost](#)

- CLI tool for easy ad-hoc charting of data piped from a terminal, opening a browser tab
- Reached 497 Github stars in May 2019; featured in [Golang Weekly #167](#) and [#222](#)
- Squads at Movio use it for reports & ad-hoc charting; teams around the world have reported use-cases

### ostinato: a chess library that runs on the server & the browser



🔗 <https://github.com/marianogappa/ostinato> 📄 [Blogpost](#)

- Feature-rich chess library cross-compiled for both server (Scala) and browser (ScalaJS)
- #1 Google result for Chess Notation Converter

I've also studied Studio Mixing at [Berklee College of Music](#), I'm co-authoring a Chess book and I'm learning Chinese.