

Mariano Gappa

Senior Software Engineer with 14.1 years of industry experience as of Jan 2024

✉ 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 11 jobs starting Jan 2006) [See all](#)

Software Engineer @ Oaknorth

📅 Jan 2021 - Present (3.2 years) 🌐 <https://www.oaknorth.co.uk/>

 Python  Typescript  AWS

- 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

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

 Typescript  Go  AWS  Python

- 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


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

 Spark  Scala  AWS  Python

- Led the team that built Movio's Datawarehouse.

Software Engineer @ Movio

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

 Go  Scala  PHP  MariaDB  AWS
 Kubernetes  Kafka  Cassandra  Python

- 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

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

 Go

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

Signal Checker: crypto signal fact-checking

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

 Go

- 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](#)

 Go  Javascript

- 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



Scala



Scala JS



JavaScript

<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.