

Mauri de Souza Meneguzzo

Senior Software Engineer

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education

- 2023-present **DUAL SPECIALIZATION IN DATA SCIENCE AND AI, CYBERSECURITY** *Uninter, Brazil*
- 2017-2021 **BTECH IN INFORMATION TECHNOLOGY WITH A FOCUS ON SYSTEMS ANALYSIS AND DESIGN** *Uniftec, Brazil*

work

- 2022 - ongoing **FULL STACK SOFTWARE ENGINEER** *Meisterwerk* **Remote / Full-time / Germany**
- Collaborated with cross-functional teams to deliver high-quality software solutions that meet business and user requirements.
 - Provided guidance and mentorship to the engineering team on best practices and standards.
 - Designed and implemented HTTP and gRPC APIs using Golang, ensuring security, scalability, and maintainability of the system.
 - Debugging and profiling techniques using tools such as Delve and pprof, finding memory and cpu bottlenecks.
 - Improved app build times by 64%.
 - Exploratory Data Analysis and visualization using Python and Pandas.
 - Implemented automated vulnerability scanning and static code analysis in CI/CD pipelines.
 - Maintained a mobile app using React Native.
- 2021-2022 **ASSOCIATE / FULL STACK SOFTWARE ENGINEER** *Bucks App / Startup (finance)* **Remote / Full-time / USA**
- Entered Mercury Raise Round IV for startups.
 - Developed secure Go and NodeJS systems on AWS, integrated with financial solutions.
 - Implemented cryptographically secure systems to ensure data integrity and confidentiality.
 - Mobile app development with React Native
- 2019-2021 **CTO / LEAD SOFTWARE ENGINEER** *3CPLUS - SAAS (communications)* **Remote / Full-time**
- Managing a team of 6 engineers, company achieved a MRR growth of 120% in 2020.
 - Scaled a realtime system to handle thousands of concurrent users and millions of events per day.
 - Modeled a reliable ingestion system for a PowerBI data lake.
 - Independently built a open-source Kubernetes Health Check operator for automated status dashboards.
 - Improved AI projects with Tensorflow 2 and state-of-the-art techniques, resulting in a 10x speedup in inference and a 20x reduction in resource usage.
- 2016-2019 **FULL STACK SOFTWARE ENGINEER** *3CPLUS - SAAS (communications)* **Remote / Full-time**
- Led a team of engineers on the project migration to GCP and Kubernetes.
 - Adapted and extended all parts of the system to work in a distributed architecture, scalable horizontally.
 - Developed REST, GRPC and Websocket APIs in Go, NodeJS and PHP.
 - Deloped Asterisk PABX modules in Rust/C to optimize telephony routines.
 - Software and API documentation with OpenAPI and PlantUML.
 - Continuous Integration and Delivery with Gitlab, automated builds and deploys with zero downtime.
 - Research on Deep Learning for mailbox detection resulted in a 70% increase in accuracy.
 - Developed an event broker to serve high-throughput events through different real-time protocols.

2015-2016

SOFTWARE DEVELOPER *Freelancer*

- Web applications using PHP/Laravel and VueJS.

2014-2015

IT ASSISTANT, PRIVATE RANK *6th Comms Bn of the 6th Div, Brazilian Army* **Onsite / Full-time**

- Linux server administration, network management, and IT support.
- Collaborated on the development of a real-time dashboard system for the command center.
- Signal Corps, went to army reserve with a honorable mention.

Projects



As an official member of the Go organization on GitHub, I have made substantial contributions to the Go language's core components.

- **Runtime:** Enhanced the efficiency and reliability of the Go language's runtime system, leveraging assembly routines for multiple architectures.
- **Atomic Operations:** Ensured safe and correct execution of concurrent operations at the hardware level.
- **APIs:** Developed and maintained new standard library APIs, improving their functionality and usability.
- **Misc:** Identified and fixed bugs, documentation and issue triaging.

A detailed record of my contributions to the Go language can be found at the [following link](#)

Languages

Portuguese (native)

English (fluent)

skills

Techs:

Golang, Rust, PHP, Python, TypeScript/JS, C, Bash

Fields:

Distributed Systems, AI, Cloud Computing, Web, Product Management, Cybersecurity

DevOps:

Docker, Kubernetes, AWS, GCP, Gitlab

Processes:

JIRA, Monday, Agile, Scrum, Kanban, OKR's

I propose to consider the question: "Can machines think?" — Alan Mathison Turing

Work hard. Dream big. Stay humble.