Mauri de Souza Meneguzzo

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

Work hard. Dream big. Stay humble.

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.
- 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 cryptographycally 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 simultaneous calls in realtime.
- 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** |

FULL STACK SOFTWARE ENGINEER *3CPLUS - SAAS (communications)* **Remote / Full-time**
2016-2019
- 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.
- Writing software and API documentation with OpenAPI and PlantUML.
- Continuous Integration and Develivery with Gitlab, reduced build and deploy times to minutes.
- Researched with Deep Learning on mailbox detection in realtime calls with Tensorflow, increasing the performance of the system by more than 70%.
- Created an event broker to serve 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

GO

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
English

skills

Languages:	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:	Agile, Scrum, Kanban, OKR's