# Mauri de Souza Meneguzzo
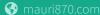
## Senior Software Engineer

✉ mauri870@gmail.com    |    in linkedin.com/in/mauri870    |    ⌨ github.com/mauri870    |    🌐 mauri870.com

## work

**2024 - ongoing**

**SENIOR SOFTWARE ENGINEER, OPENTELEMETRY** *Elastic*  **Remote / Full-time**
- Part of the Ingest Data Plane team, enhanced observability in Elastic products.
- Developed Elastic Agent, Integrations, and Beats enhancements.
- Drove the usage of OpenTelemetry APIs and improvements to EDOT (Elastic's OpenTelemetry Collector).
- Contributed to the integration of an OpenTelemetry Collector within Elastic Agent, with the end goal of making it the default operation mode.
- Participated in the migration of standalone Beats to be OpenTelemetry Receivers.
- Elastic Agent in OTel mode achieved a consistent 50% memory reduction and significant CPU savings across use cases by running Elastic Agent in OpenTelemetry mode, outperforming the previous implementation.
- Contributed to the OpenTelemetry project, focusing on the elasticsearchexporter and the contrib repository.
- Hands-on experience with the ELK Stack (Elasticsearch, Logstash, Kibana), gained through daily work and specialized training.
- Collaborated closely with cross-functional teams to ensure seamless OpenTelemetry integration across Elastic's ecosystem.
- Participated in the Support Dev Rotation, triaging complex bugs, addressing security vulnerabilities, and supporting escalated customer issues.

**2022 - 2024**

**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 microservices 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% by leveraging caching and parallelization.
- 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 cryptographycally secure systems to ensure data integrity and confidentiality.
- Mobile app development with React Native

| 2016-2021 | **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.
- 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 open source team, I've made substantial contributions to the language and its ecosystem. I was awarded the 2024 Google Open Source Peer Bonus for my work on the Go project.

As a member of the Kubernetes project, I actively engage with the community to advance its development by fixing bugs, improving documentation, and participating in discussions to support feature development.

As a contributor to the OpenTelemetry project, I have helped to improve the quality and performance of the project by fixing bugs and adding new features. My main focus has been on the elasticsearchexporter and the contrib repository. I was nominated Top Contributor at KubeCon EU 2025.

# education

**2024-2025**  **POSTGRADUATE SPECIALIZATION IN CYBERSECURITY AND DEFENSE** *Uninter, Brazil*

**2023-2024**  **POSTGRADUATE SPECIALIZATION IN DATA SCIENCE AND AI** *Uninter, Brazil*
Related coursework:

- Fundamentals of Neuroscience Program - *Harvard, EdX*
- Integrative Neuroscience - *UFRGS*
- Neurology of Learning - *IFSUL*
- Sentiment Analysis and introduction to Natural Language Processing - *UFRGS*

| 2017-2021 | **BTECH IN IT WITH A FOCUS ON SYSTEMS ANALYSIS AND DESIGN** *Uniftec, Brazil* |

Related coursework:
- Introduction to Software Simulation in Combat and Armored Warfare, IV - VI Edition- *UFRGS, Brazilian Army*
- Linux for Developers, Git and Github, Amazon Web Services

# 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.*