

Mauri de Souza Meneguzzo

📍 Brazil

☎ +55 54 981189792 | ✉ mauri870@gmail.com | 🔗 linkedin.com/in/mauri870 | 🐙 github.com/mauri870 | 🌐 mauri870.github.io

Work hard. Dream big.

work

2021

ASSOCIATE / FULL STACK SOFTWARE ENGINEER *Bucks App / Startup* **Remote / Full-time / USA**

- Developed backend services in Typescript
- Used multiple AWS services (S3, Cognito, SES, SQS, Lambda, SAM).
- Developed a Expo React Native mobile app for both Android and IOS.
- Integrating with financial solutions such as Dwolla, Checkbook and Plaid.
- Developed an embedded Plaid Link for React Native that does not depend on native code.

2019-2021

CTO / LEAD SOFTWARE ENGINEER *3CPLUS Call Center Solutions* **Remote / Full-time**

- Managing a team of 4 engineers, including code review, interviewing potential team members and ensuring the team delivers sprints and OKR's on time.
- Company reached a MRR growth of 120% in 2020
- More than a thousand concurrent users and thousands of simultaneous calls
- Developed a high throughput bulk ingestion system in Go to feed realtime data into a PowerBI data lake for later mining and visualization.
- Developed an Open Source Kubernetes operator to report services health to an external status page.
- Rewrote the mailbox detection AI using Tensorflow 2 and various improvements, resulted in a 10x speedup and 20x lower cpu usage.
- Created an open source program(iowatch) to execute commands when files change to automate multiple tasks.
- Added buffer reuse support to Google Storage Go to reduce allocations and GC pressure.

2016-2019

FULL STACK SOFTWARE ENGINEER *3CPLUS Call Center Solutions* **Remote / Full-time**

- Leading the migration of a full stack project to Google Cloud Platform and Kubernetes.
- Used various GCP resources (GKE, Storage, IAM, MemoryStore, Compute Engine)
- Splitting a larger and complex system into a distributed architecture composed of smaller microservices on top of docker containers, scalable horizontally.
- Creating REST, GRPC and Websocket APIs in Go, NodeJS and PHP.
- Develop web applications with PHP and Laravel Framework, using Redis for caching and short-term queues.
- Multiple contributions to Laravel Framework, Laravel Horizon and the mongodb library.
- Codebase migration and adoption of PHP 7 and later 8.
- Developed an Asterisk PABX module in C to persist call recordings to Google Storage.
- Writing software and API documentation in Markdown, OpenAPI and PlantUML.
- Automating CI/CD with Gitlab, reduced build times to seconds and the deployment integrated with Kubernetes, mostly zero downtime.
- Designed and built a custom webphone with VoIP click-to-call and CRM integrations that runs as a web extension, PWA, hybrid app and webapp reusing the same codebase.
- Architected and applied Artificial Intelligence on the detection of mailboxes in realtime calls with Tensorflow, greatly improving the performance and assertivity of our predictive dialing algorithm by more than 70%.
- Developed a tool in Rust to filter and clear blacklisted data from CSV/TSV mailing files, increasing system assertivity.
- Created an event broker to serve application events from it's internal format to Websocket and Server-Sent Events, better suited for third-parties to integrate in real time.

- | | |
|-----------|---|
| 2015-2016 | SOFTWARE DEVELOPER <i>Freelancer</i> <ul style="list-style-type: none">• Web applications using PHP/Laravel and VueJS. |
| 2014-2015 | IT ASSISTANT, PRIVATE RANK <i>Brazilian Army</i> Onsite / Full-time <ul style="list-style-type: none">• Linux and Windows troubleshooting and computer maintenance in general.• Went to army reserve with a honorable mention. |

skills

Languages:	TypeScript, Golang, JavaScript, SQL, Python, Bash
Devops:	Docker, AWS, GCP, Gitlab
Processes:	Agile, Scrum, Kanban, OKR's

education

- | | |
|-----------|--|
| 2021 | INITIATION IN COMBAT AND ARMORED WARFARE SIMULATION <i>Brazilian Army / UFRGS</i> |
| 2017-2021 | SOFTWARE ANALYSIS AND DEVELOPMENT <i>FTEC</i> |
| 2013-2014 | COMPUTING TECHNOLOGIST (INCOMPLETE) |

languages

Portuguese (native)
English (intermediate)