

# Mauri de Souza Meneguzzo

📍 Brazil

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*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.
- 2016-2019 **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.
  - Develop web applications with PHP and Laravel Framework, using Redis for caching and short-term queues.
  - 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** *Freelancer*
- Web applications using PHP/Laravel and VueJS.
- 2014-2015      **IT ASSISTANT, PRIVATE RANK** *Brazilian Army* **Onsite / Full-time**
- 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** *Brazilian Army / UFRGS*
- 2017-2021      **SOFTWARE ANALYSIS AND DEVELOPMENT** *FTEC*
- 2013-2014      **COMPUTING TECHNOLOGIST (INCOMPLETE)**

## languages

Portuguese (native)  
English (intermediate)