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**
- Mercury Raise Round IV for startups
- Developed backend systems using multiple AWS services (S3, Cognito, SES, SQS, Lambda, SAM).
- Developed a 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.
- Rewrited the mailbox detection AI using Tensorflow 2, Tensorflow Serving and various improvements, resulted in a 10x speedup and 20x lower cpu usage.
- Created an open source program(iowatch) in Rust to execute commands when files change to automate multiple tasks.
- Added buffer reuse support to Google Storage Go to reduce allocations and GC pressure.
- Developed mauri870/gcsfs, a bridge between golang's 1.16 new io/fs and Google Cloud Storage.

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)
- Spliting 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 and APIs with PHP and Laravel Framework, Redis, SQL and NoSQL, processing thousands of events per second.
- 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 and Rust to persist call recordings to Google Storage.
- Writing software and API documentation in Markdown, OpenAPI and PlantUML.
- Automating CI/CD with Gitlab and Docker, 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 and Python, 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 realtime application events through Websocket and Server-Sent Events(SSE).

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

2017-2021	**SOFTWARE ANALYSIS AND DEVELOPMENT** *FTEC*
2013-2014	**COMPUTING TECHNOLOGIST (INCOMPLETE)**

languages

Portuguese (native)
English (intermediate)