

# Mano Sriram

## Backend Engineer

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**Hyperlinks** at appropriate places.

## INTERESTS

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Backend engineering, Observability, Infra Tooling

## EXPERIENCE

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### Backend Engineer

January 2023 – Present

*Credshields*

*credshields.com*

- Implemented and shipped product's organization feature end-to-end
- Responsible for entire django backend and few other microservices
- Handle bug fixes and maintenance

### Product Engineer 1 - Backend

August 2022 – November 2022

*SquadStack*

*squadstack.com*

- Worked on Top-of-the-funnel (TOF) feature, decreasing onboarding time for users
- Worked on moving the 3rd party speech assessment module to inhouse module
- Responsible for user-facing features, bugs, and fixes

### Software Development Engineer 1

August 2021 – August 2022

*Netbook*

*netbook.ai*

- Built multiple Microservices from scratch - go and python
- Responsible for Environments module, which adds a custom docker image layer to existing docker image
- Implemented log streaming feature using go routines and channels for streaming logs between Kubernetes Pod and client
- Responsible for automation of workspace deployment using Kubernetes, Helm charts and Docker

## PROJECTS

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### outagealert.dev | *Golang, PostgreSQL, Docker*

August 2024 - Present

- Configurable multi-channel notification platform for services/cron jobs.
- Managing the entire infra stack using docker and docker-compose.
- Used CircleCI for continuous deployment, Docker for services management, Goose for database migrations.

### nimbusdb | *Go*

November 2023 - July 2024

- Persistent Key-Value store based on Bit Cask paper.
- Wrote features like key-custom-expiry, batch-writes, block-cache, and more.
- Reduced allocs/op to 11 and 5 for set and get calls.

### lark | *Go*

July 2024 - Present

- Interpreter from scratch using recursive descent parser.
- Built and parsed ASTs for evaluation and error handling.
- Support for functions, local and global vars, arrays, and other basic requirements.

## TECHNICAL SKILLS

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### Programming Languages

Golang, Python, Rust, C++, and JavaScript

### Frameworks

Gin-Gonic, Django, ExpressJS

### Tools

gRPC, Protocol Buffers, Kubernetes, Docker, Git, Vim

### Databases

MongoDB, MySQL