

Mano Sriram

Software Engineer

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Hyperlinks at appropriate places.

EXPERIENCE

Software Engineer - Compilers

May 2025 – Present

IBM

ibm.com

- Working on WCA4Z PL/I to Java transpiler

Backend Engineer

January 2023 – April 2025

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 Kuberenetes, Helm charts and Docker

PROJECTS

nimbusdb | Go

- 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.

8 bit CPU emulator | Zig

- Emulator for 8 bit CPU
- Emulates instructions for x86 like CPU

lark | Go

- 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

Programming Languages

Golang, Zig, Python, Java, C/C++, and JavaScript

Frameworks

Gin-Gonic, Django, ExpressJS

Tools

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

Domain Interests

Transpilers, Compilers, Systems, and Backend