Rohit Kulkarni

📞 +91 7218066654 | ✉ rohitkulkarni161198@gmail.com | 🔗 Linkedin | 🐙 Github

EXPERIENCE

Uber   Aug. 2024 – Present
SDE-II   Bangalore, India

- Developed backend APIs and notification/reminder workflows for Uber's Executive Travel delegation feature, enabling users to book rides for others by inviting them to delegate their business profile.

Druva   Sep. 2022 – Aug. 2024
Staff Software Engineer   Pune, India

- Worked on the next-generation sync engine for Druva, "Photon" using **Rust and Golang**. Rust being used for CPU and IO and to provide memory saftey, and golang used via **FFI and CGO** to provide client ABI's

- Debugged a P0 memory leak and made subsequent memory improvements to standardized memory safety practices. Which lead to memory footprint reduction of **34%** and performance increments.

- Implemented a feature that enables users to blacklist or whitelist available networks and incorporates **intelligent network switching** for the backup and restore processes.

- Implemented the support to allow users to use network proxies **HTTP, SOCKS4, SOCKS5** for backup/restore jobs. Along with support for the authentication handling for **NTLM** and **Kerberos** protocols.

Avaya   Jul. 2020 – Sep. 2022
Software Engineer   Pune, India

- Spearheaded the development of PFrame, a robust Docker-based framework initially built as a personal automation project for myself at Avaya, which later evolved into an internal tool. PFrame enabled a **96%** reduction in automation infrastructure for a sister team, streamlining the setup from **400 local virtual machines to just 20** Linux servers. By leveraging Docker for VM emulation and optimizing agent processes, it enhanced concurrent testing, managed networking, and overall performance.

- Played a pivotal role in implementing FlaskMiddleware, a highly optimized middleware built on Flask, for bypassing license and subscription management for faster test execution.

ACHIEVEMENTS

- **Open-source Contribution**: Added SOCKS4 proxy support to **tokio-socks** a Rust asynchronous client proxy library with **8M+ downloads**.

- At Druva, I played a key role in doubling the restore speeds of the product I worked on, successfully enhancing them from **600GB/hr** to an impressive **1.4TB/hr** through my contributions.

EDUCATION

Vishwakarma Institute of Technology, Pune   2016 – 2020
B. Tech in Electronics Engineering   CGPA - 9.75

SKILLS

Languages : **GO**, Rust, Python

Database : SQL (SQlite, MySQL, PLSQL)

Tools : Kafka, Docker, Kubernetes, AWS, Jenkins, Ansible, Grafana, Prometheus, Git/Arc, VSphere