Rohit Kulkarni

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EXPERIENCE

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

- Worked on the backend API;s and notification flow of the profile delegation feature, wherein one could take book rides for someone else, by inviting them to delegate their business profile.

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

- Building 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, Kerberos** protocols.

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

- Spearheaded the development of PFrame, a robust Docker-based framework designed from the ground up to facilitate concurrent processes and tests. It boasts advanced managed networking capabilities, ensuring seamless communication and enhanced 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.
- At Avaya, I developed a personal automation framework that became an internal project. It helped a team reduce their automation setup from **400 local virtual machines to just 20** Linux servers(**96% reduction**) by utilizing Docker for emulating VM functionality and optimizing agent emulation.

ACHIEVEMENTS

- **Open-source Contribution**: Added SOCKS4 proxy support to [**tokio-socks**] a Rust asynchronous client proxy library with **7M+ 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