

Rohit Kulkarni

☎ +91 7218066654 | ✉ rohitkulkarni161198@gmail.com | 🔗 LinkedIn | 🐙 Github

EXPERIENCE

Druva

Sep. 2022 – Present

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 safety, and golang used via **FFI and CGO** to provide client ABI's
- Played a crucial role in debugging a memory issue and doing subsequent memory improvements lead to standardization of memory safety practices. Lead to memory footprint reduction of **34PC** 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 feature to allow user to use network proxy [**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 solution built on Flask. By effectively bypassing license and subscription management, it significantly accelerated test execution time for smokes and sanity, optimizing overall testing efficiency.
- Led efforts to increase solution-wide automation coverage, including VMware Infra management, hypervisor installation, Linux networking, and local DNS deployment.

Perennial Systems

Dec. 2019 – Apr. 2020

Intern

Pune, India

- Worked on an android app development, using Kotlin. service.

ACHIEVEMENTS

- **Open-source Contribution:** Added SOCKS4 proxy support to [tokio-socks] a Rust asynchronous client proxy library with 5M+ 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 : Rust, Go, Python, Java

Database : SQL (SQLite, MySQL, PLSQL)

Tools : Docker, Kubernetes, AWS, Helm, Jenkins, Ansible, Grafana, Prometheus, Git, VSphere