

Rohit Kulkarni

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EXPERIENCE

Druva

Sep. 2022 – Present

Staff Software Engineer

Pune, India

- **Photon** - I am actively involved in building the next-generation sync engine, "Photon," utilizing Rust and Tokio (async I/O). Photon serves a crucial role within Druva products, enabling the seamless backup and restoration of data to/from Druva cloud storage. Employing a powerful combination of I/O-bound operations (disk and network) and compute-bound tasks (SHA compression), Photon implements a multi-stage data pipeline for efficient data transfer to and from Druva cloud storage.

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.
- Deployed CCAasLE, a Kubernetes cluster with monitoring capabilities and built an Agent Action Emulator using GO and NodeJS.
- 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

- **APPDEV** - Worked on a android app development, worked on back-end processor service.

SKILLS

Back-end Technologies : Rust, Go, Python, Java

Database : SQL (MySQL, PLSQL)

Devops : Docker, Kubernetes, AWS, Helm, Jenkins, Ansible, Nagios, Grafana

Tools and Platforms : Git, VSphere, SIP-RTP

EDUCATION

Vishwakarma Institute of Technology, Pune

2016 – 2020

B. Tech in Electronics Engineering

CGPA - 9.75

ACHIEVEMENTS

- 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.
- 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 by utilizing Docker for emulating VM functionality and optimizing agent emulation.