KAUTILYA TRIPATHI

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SUMMARY

· CKS, CKA. Experience with kernel, backend web services and open source development. Worked distributed systems, dev tools and systems programming.

EXPERIENCE

Microsoft   *Bengaluru, India*
Software Engineer 2   May'21 – Present

· Working with confidential containers on cloup-api-adaptor as a maintainer to make runtime containers more secure.
· Working on Headlamp as a maintainer to make configurable, secure and easy to use k8s UI.

Kinvolk   *Remote, India*
Cloud Infrastructure Engineer   June'20 – Present

· Worked on Lokomotive. Check out my contributions.

Hackerrank   *Bengaluru, India*
SDE Intern   Jan'20 – May'20

· Wrote the whole backend in Ruby for their new question type Code Review. This is a new question type to hire Senior Engineers.
· Deployed a new cluster for code review.
· Preview of whole workflow

The Linux Foundation   *Remote*
Open Mainframe Intern   June – Sep '19

· Built docker images for s390x architecture on SUSE along with a bot to keep the images in sync with Dockerhub and Github.
· Setup Jenkins CI pipeline. Project's Repository and Bot Repository.

Rocket.Chat   *Remote*
Google Summer of Code Student   May – Sep '19

· Added new feature of Realtime-Monitoring to their product Livechat. GSoC Work Report.

Atlan   *New Delhi, IN*
Software Development Intern (Backend)   Jan – July '19

· Worked on Baseline Upload for their software collect.
· Rewrote Collect's File Upload which increased the speed and error handling by 99%. Used Jmeter and Blazemeter for load testing. Deployed their code to development and staging.
· Implemented task queues and workers using SQS and RabbitMQ.
· Rewrote their module response validation in Golang.

PROJECTS

· **kubernetes-basicLearning** – Understand kubernetes step by step. A simple repo for beginners
· **gRPC-cache** – An in memory Key/Value store using gRPC. Written in Golang
· **Typeracer-cli** – Learn how to touch type from terminal. Written in TypeScript.
· **asciiConvert** – Get ascii art in terminal. Written in Golang
· My other projects can be found here

Open-source contributions: I am an active OSS contributor. My **Merged PR's** and **open PR's**.

Certificates

- **Certified Kubernetes Security Specilist (CKS)** – Validity: December 2021 to December 2023.
- **Certified Kubernetes Administrator (CKA)** – Validity: December 2020 to December 2023.

Talks

- **The Linux Foundation, Open Source Summit, Lyon** – Gave a talk on my Open Mainframe project. Refer Image and Slides

Education

International Institute of Information Technology, Bhubaneswar   Aug '16 – June '20
Bachelor of Technology in Computer Science and Engineering (6.85/10)