

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 Specialist (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)