UTKARSH SRIVASTAVA

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EDUCATION

Maharaja Agrasen Institute Of Technology
Computer Science & Engineering (CGPA – 8.4)

📅 Aug 2018 – Present   📍 New Delhi, India

PROFESSIONAL EXPERIENCE

Layer5
Cloud Native Intern

📅 November 2020 – Present

- Adding functionality to expose kubernetes resources to the Istio and Linkerd adapters.
- Adding SMI conformance to different service mesh adapters.
- Designed framework for remotely loading self sufficient React components/plugins.

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Hackstrap Technologies Pvt Ltd
Co-founder, Developer

📅 May 2019 – Present

- Worked in React & WebRTC based chat module for hackstrap website. Worked on features like instant messaging, voice call, video calls and screen sharing. Efficiently horizontally scaled the chat services on the backend.
- Automated the data aggregation of Indian startups, companies, investors, etc.
- Lead a team of skilled frontend developers.

PROJECTS

RapidoDB
An in-memory persistent NoSQL database

📅 Jun 2020 – Present

- Key value pair based database. Can be used to store any data like strings, numbers, json, etc.
- Created a domain specific language (RQL) for querying the database. Handwritten lexer and parser for RQL.
- Has realtime features, can push events to the database users.
- Uses TCP with TLS for secure connections.

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Nodejs Snowflake
64 bit time sort-able ID generator

📅 Dec 2019 – Jan 2020

- Actively maintained open source library for node.js (NPM). Uses NAPI to integrate C++ with node.js.
- Designed for distributed systems.
- Machine IDs can be extracted out of the snowflake ids, helping in identifying a possibly faulty node.

SKILLS

- Programming Languages: Golang, JavaScript, TypeScript, C++
- Frontend: HTML, CSS, React, Redux
- Backend: NodeJS, Golang
- Database: MongoDB, PostgreSQL, MySQL, Redis
- DevOps: Docker, Docker Swarm, Kubernetes, Linkerd Service Mesh, Meshery