

ARSALAN RASHID

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Education

National Institute of Technology Srinagar

Jul 2019 – Jul 2023

Bachelor of Technology - Electrical Engineering (8.2 CGPA)

Experience

Backend Developer Intern - Kloudone

Oct 2023 – Present

- Worked on development of various backend API's that required working with Redis, Postgres, Apache Kafka and other related technologies.
- Integrated 3rd party apis like google-admin-sdk for user/group/permission management.
- Helped with overall performance optimisation of APIs with 60-70% reduction in response time.
- Tech Stack - Golang

Software Developer Intern - TEOS Summer of Bitcoin

May 2022 – August 2022

- Developed a generalised database manager for the lightning watchtower The Eye of Satoshi that would work with various sql engines (sqlite, postgres)
- Wrote separate unit tests for each dbm method and added compilation time flags to set a particular sql engine
- Explored ways to visualize collaboration and the workflow of projects
- Techstack - Rust, Postgres, Sqlite

Projects

OSKA | *Node.js, Javascript, Web Scraping, Twitter Api*

Nov 2020

- Open Source Kashmir Alerts is an automated notification alerter which scrapes the various institute websites of Kashmir, fetches the recent notifications and tweets them. Developed with JavaScript, using Cheerio as the HTML parser, Axios for making promise based https request, Twit for making requests to twitter API and MongoDB Atlas as the database.
- [Project Link on Github](#)

Img-Dash | *React, Golang, Gin, Tailwind CSS, AWS*

Oct 2023

- A full stack image dashboard having functionalities like User Authentication and Authorization, Image Upload and Management, Role Based Access Control, Scroll Pagination, Custom In memory data base along with persistence to disk, Logging and Deployment to AWS
- [Project Link on Github](#) [Live Demo Link](#)

Shurl | *Golang, Redis, AWS*

Nov 2023

- Shurl is a URL shortening tool that trims any URL to a fixed-length unique url. It uses Redis as database and has Rate Limiter integrated to prevent DDOS attacks.
- [Demo Link](#)

Keymoji | *Javascript, Chrome API, HTML, CSS*

Dec 2022

- Keymoji is a Chrome extension that can be used to map keywords to any emoji and later insert those in chat using that key map
- [Project Link on Github](#)

Self Propulsive Auto Landing Machine | *PCB Designing, C++, Arduino*

Mar 2023

- Undertaken as the final year project, it involved designing and development of the flight computer for a model rocket. Developed the PCB and wrote code for various sensors required to keep the rocket flight stable.
- [Project Link on Github](#)

Technical Skills

Languages: C/C++, Go, Rust, PHP, SQL, Java, JavaScript, HTML/CSS, Assembly Language (8085), Python

Frameworks: Gin, Gorm, React

Developer Tools: Git, VS Code, Vim, Jira, Jenkins

Libraries: C++ STL

Other: OOPS, Data Structures and Algorithms, Arduino, Bash, Linux

Achievements / Extracurricular / Competitive Programming

Codeforces max rating : 1425 (Specialist) [Codeforces Profile link](#)

Codechef max rating 1914 [Codechef Profile link](#)

NTSE Stage-I Qualified (State Rank - 6) [Rank list link](#)

Best Codechef Contest Global Rank - 200

Solved 1000+ Problems over various Competitive Programming Platforms

Founder of Model Rocketry club at NIT Srinagar

Was one among 89 selected candidates worldwide into Summer of Bitcoin 2022 (20k+ participants)

Worked on helping local brands get user attraction using Instagram and other socials