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SUMMARY

Back end and DevOps programmer interested in Computer Networks & Protocols, Cloud and Distributed Computing. Open Source contributor.

Microsoft 2020

• Developed

SKILLS

LANGUAGES

Comfortable

Python, Java, Go, JavaScript, TypeScript, HTML/CSS, Markdown, bash

Familiar

Kotlin, C, C++, C#, Q#, C, CoffeeScript

FRAMEWORKS/LIBRARIES

Comfortable

AWS Boto, Django, Android Java Framework, Bee (Go)

Familiar

.NET

SOFTWARE/TOOLS/SERVICES

Git & GitHub, CI (Circle), Sentry Vim, Sublime Text, VScode, JetBrains IDEs make, Doxygen, ssh, Nginx, Docker, Docker-compose

MongoDB, PostgreSQL, Redis Cache, Elastic Search

Mininet, Wireshark, Tcpdump Heroku, Firebase-GCP, AWS

GNU/Linux 20.04.1 LTS, Windows 10 Home

EDUCATION

B. TECH., COMPUTER SCI. AND ENGG.

CGPA 8.216

Indian Institute of Technology, Roorkee, India (2021)

SENIOR SECONDARY EDUCA-TION

Boards 92%

RESPONSIBILITY

- Back-end & Systems Developer and Mentor @MDG IIT Roorkee.
- Product Manager @Appetizer.
- Volunteer @NSS IIT Roorkee.

EXPERIENCE

Back end and DevOps programmer inter- MICROSOFT EDGE | SOFTWARE DEVELOPER REMOTE INTERN ested in Computer Networks & Protocols, Microsoft 2020

- Developed a new feature to share EDGE Collections.
- Set up the service to share the Collection and looked into syncing them.
- Modified the Edge's codebase to modify and expose the API.

GOOGLE SUMMER OF CODE | STUDENT DEVELOPER | LINK

Named Data Network 2019

- Developed NpChat, a photo and file-sharing peer-to-peer decentralised application built on Android on NDN (ICN). Access control is ensured using encryption and data is fetched using AIMD pipelined Segment-Fetcher.
- Wrote the AIMD pipelined Segment-Fetcher for their Java Support Library.
- Updated the user Identity management application for NpChat.

BLOGS | TECHNICAL WRITER | LINK

Wrote a number of blogs on Computer Networks and Protocols.

PROJECTS

APPETIZER | PRODUCT MANAGER & BACK END HEAD | LINK

MDG IIT Roorkee

Appetizer is official mobile application for IIT Roorkee aiming towards the management of mess functionalities. Features include providing mess menu, recording the presence of students, give a rebate and simplify feedback processes.

- Developed new features on the back end while maintaining existing ones.
- Worked on Database Query Optimizing and reducing Network Traffic.
- Implemented and tested multi-messing feature.
- Handled the servers ensuring least service downtime.

CODEPHILE | BACK-END HEAD | LINK

MDG IIT Roorkee

Codephile is a social networking application for competitive coders. Web application is written in Go-Lang using bee framework. It scrapes or make API requests to the platforms to show progress and statistics on users and his friends. The tech stack includes Redis, Elasticache, AWS-EC2, Firebase, Nginx, MongoDB, docker & Bee

• Headed & mentored the back-end development and server deployment.

FILE SHARE | DEVELOPER | LINK

IIT Roorkee

File Share is a socket based file sharing application written in C++ and Sockets. The application also aims to provide a web interface to communicate to browsers via Web-Sockets.

ACHIEVEMENTS

- Successfully ran Appetizer in the campus for 1 yr with the highest daily active user count of more than 3500.
- Our team stood 3rd in Hackinthenorth hackathon at IIIT Allahabad.
- Secured All India Rank 1172 in JEE Advanced 2017 among 2, 20,000 students & 777 in JEE Main 2017 among 1.5 million students.