PRANAV THAROOR

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Extensive full stack development experience with proven ability to be productive with any complex tech stack very quickly. Designed and developed a number of products in the past five years with a good history of Open Source contribution.

SKILLS

Golang, Java, JavaScript, Python, React (Redux, MobX), SASS, Node (Express), MySQL, Postgres, NGINX, Docker, Kubernetes (Helm), AWS, Figma

EXPERIENCE

Cloudera Inc, Bangalore
R&D Cloud Team

Software Engineer II - From Jan-'22
Software Engineer I - From July-'20
Intern - From Jan-'20

Tech stack: Golang, Java (Spring Boot), React (Redux), Bazel, Kubernetes (Helm), Postgres, Terraform, AWS

- Working on Cloudera Data Platform ([CDP](CDP)) - Cloudera's enterprise hybrid multi-cloud big data platform
- Developed an HA and Multi Tenancy POC for CCMv2 increasing scalability over the previous architecture
- Introduced a Machine User based authentication flow to CCMv2 allowing customers to have increased visibility on the data flowing through their private networks over the existing mTLS based authentication
- Added auto update features to CCMv2 and made tech improvements such as integration with SonarQube and addition of structured logging with Kibana and Fluentd thus improving DX and supportability
- Improved logging method and reduced log volume by 95% while keeping enough visibility on the application health
- Migrated Classic Clusters and it's dependant public cloud services to the private cloud platform
- Designed and developed a high performance UI for Cloudera's Certification Appliance
- Added features such as theming and web based push notifications to the Certification Appliance UI
- Integrated Storybook and improved test coverage thereby improving maintainability of the code base
- Optimized the storage requirement to save 80-90% disk space on an average installation of the Certification Appliance

Praktice.ai, Bangalore

Intern - May-'18 to June-'18

Tech stack: React (Redux), SASS

- Worked on the Chat-bot deployed on hospital websites such as Apollo Hospitals and the hospital facing dashboard
- Developed 35+ highly customizable, modular React components for the Chat-bot and Hospital Dashboard
- Added activity tracking capability with Snowplow which gave hospitals insights to patient interaction with their website
- Built configurable layouts, theming and interactions into the chat bot which different hospitals could configure separately

Platform Petal, Manipal

Part Time - Jan-'17 to Nov-'17

Tech stack: Node (Express), Angular, MongoDB

- Worked on Platform Petal's Online Workstation that connects start-ups to industry specialists
- Developed the homepage and community interaction parts of the workstation, such as profiles and user-connections
- Implemented live notifications with the use of Socket.io

OPEN SOURCE EXPERIENCE

MiCM Project Match, Google Summer of Code '19 Project

GSoC Student - May-'19 to Aug-'19

Tech stack: Node (Express), React (Redux), Docker, Redis, Postgres, etc.

- Was the core committer to MiCM Project Match - a web application that facilitates the matching of professors of McGill University with data science students

- Responsible for designing, architecting and developing the application till commit 30e1e2a
- Commits: github.com/c3g/micm-project-match/commits?author=pranavtharoor

Apache Zeppelin

Tech stack: Angular

- Apache Zeppelin is a web-based notebook that enables data-driven, interactive data analytics and collaborative documents with SQL, Scala and more
- Added a collapsible sidebar to Zeppelin with a Notebook Selection Tree (pr: github.com/apache/zeppelin/pull/3812)
- Added an auto generated Table of Contents section to the sidebar (pr: github.com/apache/zeppelin/pull/3834)

ACCOMPLISHMENTS

- **Google Summer of Code** '19 Student at Canadian Centre for Computational Genomics (summerofcode.withgoogle.com/archive/2019/projects/6479427641278464/)
- **ICPC Regionalist** at Asia Amritapuri and Asia Gwalior-Pune (icpc.global/ICPCID/325GVQHE1M1P)
- **Microsoft code.fun.do++** hackathon 1st Runner Up in college
- **Cloudera Hackathon** 2nd place under Best Effectiveness track in APAC region

EDUCATION

B-Tech in Information Technology and minor in Big Data at Manipal Institute of Technology, Manipal

SELECTED OTHER PROJECTS

Code Portal (live: code.iecsemanipal.com)   **Tech stack** - Node (Express), MySQL, Docker, React (MobX)

A competitive coding platform where users can take part in coding contests and their submissions will be evaluated in a containerised environment and scored based on efficiency and accuracy. Efficiently conducted contests with hundreds of participants.

Discord Chat Bot (code: github.com/pranavtharoor/mc-manager)   **Tech stack** - Python, Go, PyTorch, Hugging Face

A discord bot with the ability to engage in small talk and stream audio from YouTube. Built using a fine tuned version of Microsoft's DialoGPT Transformer model and hosted on Hugging Face.

Schedule MRI (code: github.com/pranavtharoor/schedule-mri)   **Tech stack** - Node (Express), MySQL, React

Developed a web application for conveniently scheduling MRI scans at Kasturba Medical College based on a request from my college.

CyberHawk, HawkEye (code: github.com/pranavtharoor/cyberhawk18)   **Tech stack** - React (Redux), SASS

A three day long online scavenger hunt, with usual participation of around 4000+ users.

EXTRA CURRICULARS

Web Head at IECSE Manipal

Conducted tech workshops, competitions and projects for members of IECSE. IECSE is the official Computer Science Club of MIT Manipal with over 3,000 members in college. Mentored juniors and used the opportunity to pioneer the use of Docker, PWAs, CI-CD etc. among developers in the college.

Google Developer Groups and Developer Student Clubs

Conducted DevFests at Google Developer Groups Manipal and was a core committee member of the Developer Student Clubs Manipal which are groups for developers interested in Google developer technologies.