Ananth Raghav

Chennai, India | (+91)8790176414 | raghavananth02@gmail.com | [Linkedin] | [Website] | [Github]

Experience

SDE Intern | Amazon Payment Services | July 2023 - December 2023

- Identified a drop in requests in the team's systems due to network issues and was the **primary developer** that worked on implementing an architectural change to solve this. Post implementation of an architectural + application level change, the drop in requests **reduced by 100%**. The change involved collaborating with multiple stakeholders split across the UAE therefore worked on designs documenting the entire setup from end to end. Worked on **disaster recovery** for the same.
- Implemented Latency Dashboards that captured and displayed latency metrics for monitoring traffic across all services within the team during peak usage.
- Took the responsibility of being **on-call** for my team for a total of 4 times which involved unblocking the team on CI/CD setups, solving Compliance and Info-sec related issues and resolving bugs in various development stages.
- Worked on reduction in noisy tickets due to false positives that the team received due to the launch of a new product. Post implementation of my change, that number reduced to 0.
- Demonstrated abilities consistent with Amazon's Leadership Principles such as **Bias for Action** and **Ownership** for which I received recognition from higher leadership.
- **Tech Stack:** Kotlin, AWS Lambda, AWS CDK, AWS VPC and other services within AWS

Software Intern | IRCS Karnataka | June 2022 – July 2022

- Developed a back-end application for the organisation for calculating expenses and revenue received/owed for an initiative of theirs.
- **Tech Stack:** Django, React.

Projects

Kernel Driver

- Implemented a new system call in the Linux kernel that added two floating point numbers that can be invoked from the user space via C along with registering a kernel device driver that took a touch pad and responded to movement on the touch pad.
- Implemented a [fair share scheduling algorithm] that involved scheduling/picking jobs for CPU execution according to the groups and weights assigned for each job at each decision point.

Melange

- A platform where graduating alumni could send heartfelt messages to each other which would be later compiled into the annual yearbook.
- Functionality involved searching for other users within the graduating batch, handling profile images and authorisation/authentication mechanisms.
- **Tech Stack:** MERN. Had more than **1000 registered users** along with **3000+ messages** exchanged.

Education

B.E. Electronics. and Instrumentation | Birla Institute of Technology and Science, Pilani | 2020-2024 | CGPA 8.02

- First Degree Teaching Assistant for CS F213 - Object Oriented Programming.
- Worked under Prof K.R Anupama for a paper titled *A Completely Distributed Cloudlet Framework Using 410c SOC* whose corroborated results was accepted in the **WMSCI 2023 Conference**
- Senior developer at DEVSOC where I worked on Melange, ShortMe and CSA Times
- Part of the University Basketball Team.