SASHANK AGARWAL

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA | Los Angeles, CA   May 2025 (expected)
Master of Science in Computer Science (MSCS) **|** *GPA: N/A*
Relevant Courses: Analysis of Algorithms, Database Systems

RAMAIAH INSTITUTE OF TECHNOLOGY | Bangalore, India   August 2020
Bachelor of Engineering in Computer Science and Engineering **|** *GPA: 3.96/4.0*
Relevant Courses: Algorithms, Data Structures, DBMS, Operating Systems, Distributed Systems, Web Technologies

SKILLS

Programming: Go/GoLang, Java, Python, NodeJS, Shell Scripting, HTML, CSS, JavaScript
Databases: MySQL, MongoDB, NoSQL, Firebase
Cloud Technologies: Kubernetes, AWS, OpenShift, Docker, Elasticsearch, Prometheus, GCP
Miscellaneous: Git, GitHub Actions, Data Structures, Algorithms, gRPC, Postman, ArgoCD, Jenkins

WORK EXPERIENCE

INTUIT | Software Engineer 2 | Bangalore, India   June 2022 – July 2023
- Actively contributed to the Intuit Kubernetes Service team, taking charge of the efficient management of their cloud infrastructure and platform.
- Managed observability stack, including metrics and dashboards.
- Open Source Contributor to keikoproj, focused on alert-manager and active-monitor to ensure high availability and auto-scaling of applications across Intuit's clusters.
- Conducted technical interview rounds to assess candidates' skills.
- *Technologies*: Go, Python, Kubernetes, AWS, Jenkins, ArgoCD, Wavefront, Shell Scripting.

RED HAT | Associate Software Engineer | Bangalore, India   November 2020 - May 2022
- Actively oversaw the monitoring and alerting of large-scale logs in OpenShift, utilizing Elasticsearch, Fluentd, and Kibana for efficient log management.
- Developed troubleshooting runbooks for Elasticsearch and Kibana alerts, reducing maintenance work for SREs.
- Developed and maintained the Loki Operator in collaboration with the Grafana team. Implemented key components such as auto-scaling, alerting, authentication, and authorization for Loki.
- Launched a storage calculator for Loki, predicting log volume in 24 hours and recommending resource requirements for the LokiStack.
- *Technologies*: OpenShift, Elastic Stack (EFK), Go, Prometheus, Kubernetes, Kubernetes Operators, Shell Scripting.

PROJECTS

RIT Data Center   December 2019
- Developed and maintained a college website generating dynamic reports and securely managing college data in a centralized database. Mainly utilized by the Principal and Professors from all departments.
- Link: https://github.com/sasagarw/RIT-Data-Center | Technology: HTML, CSS, JavaScript, Bootstrap, NodeJS, ExpressJS.

PG Diploma Website   September 2018
- Developed website for CSE department's course "PG Diploma in Big Data Analytics and AI".
- Link: http://www.msritcse.in/pgd | Technology: HTML, CSS, JavaScript, Bootstrap

ACHIEVEMENTS

- Awarded **Star of the Quarter** for Q2-FY23 for showing **Technical Excellence** at **Intuit DevX.**   March 2023
- Elected as **Chairperson** of IEEE RIT Student Chapter - responsible for leading 30+ IEEE Executive Committee members for organizing multiple technical fests, workshops, hackathons, and annual general meet.   Jan - Dec 2019