Sai Srikar K

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EDUCATION

PES University   Bengaluru, Karnataka, India
Bachelors in Computer Science and Engineering
With a Specialization in Distributed Systems: **GPA: 3.65/4.00**   *Aug 2016 – July 2020*

SKILLS

Languages: Go, Python, C, Javascript, Typescript

Databases: PostgreSQL, MySQL, Redis, Prometheus, MongoDB

Frameworks: gRPC, Django, Flask, Node.js, React.js

Technologies: Git, Kubernetes, Docker, AWS

Tools: k6, Grafana, Terraform, Jenkins, Postman

EXPERIENCE

Rafay Systems   Bengaluru, India
Senior Software Engineer   *Mar 2022 – Present, Full-time*

- Backend developer working at a mid sized startup developing and scaling applications over distributed sytems.
- Built scalable and high-performance customer centric applications targeted to conveniently deploy applications onto their Kubernetes clusters thereby simplifying the work of platform, SRE and DevOPS teams.
- Served as the sole developer responsible for scaling the SAAS platform leading to a stable product that delivers consistent performance under heavy traffic.
  Designed and developed horizontally scalable fault tolerant event driven microservices. Worked within and across cross functional teams to ship products.
- Enhancing and maintaining an existing scheduler that is used to deploy applications onto kubernetes clusters.
- Identified and mitigated multiple bottlenecks in the user induced load path thereby reducing deployment times to 1/10 times the initial whilst increasing performance leading to a reduction in resource consumption and overall cost.
- Developed a tool to simulate tens of thousands of organization specific agents running on kubernetes clusters. This helps test for scalabilty while decreasing cost by 90% by avoiding provisioning of excess infrastructure. Also helps identify bottlenecks, design issues and helps maintain steady state load to simulate real world scenarios.
- SME to help and guide other developers with scheduling and scalabilty related queries, discussions and reviews.

Citrix R&D   Bengaluru, India
Software Engineer   *Jan 2020 – Mar 2022, Full-time*

- Developed cloud based microservices for Citrix Cloud designed to ensure Zero Trust Access.
  Services allow an administrator to configure access rules for an end user.
  Using these configured rules and data returned by clients, partial or complete access is granted to applications as per their security posture.
- Worked as an engineer developing and maintaining Citrix Netscaler (a high performance application delivery controller) under its authentication team.
  Integrated Netscaler to authenticate with Microsoft's Intune NAC to secure mobile devices and enable access control.
  Additionally directly engaged with customers to provide support for high severity issues.
- Built a load testing framework for Netscaler using existing open source tools.
  This lead to easier qualification of throughput, better re-creating of customer issues, and overrral quality improvement.
  Served as an SME for other teams to adopt and implement their own load tests.