Aswin Sagar

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WORK EXPERIENCE

HCLTech   June 2022 – Present
Software Engineer – Bengaluru
- Engineered and optimized CI/CD pipelines using GitHub, Jenkins, and Docker, achieving a 40% acceleration in deployment frequency while ensuring rollback safety.
- Automated infrastructure provisioning with Terraform, leveraging S3 for state management to ensure scalability, reduce manual errors, and improve system reliability.
- Integrated Prometheus and Grafana for comprehensive monitoring and observability, resulting in a 30% reduction in downtime through proactive alerting and dashboards.
- Developed and optimized a full-stack invoice application using Angular and Java Spring Boot, streamlining billing operations for enterprise clients.
- Ensured security compliance by implementing OAuth 2.0 authentication and role-based access controls, aligning with industry best practices and regulatory requirements.

Nisarg Foundation   Jan 2022 –June 2022
Web Developer – Mumbai
- Revamped multiple web pages using JavaScript, enhancing interactivity and optimizing performance, which resulted in a 15% increase in user engagement and a 20% reduction in load times.
- Implemented modular and scalable web components, ensuring maintainability and seamless content updates without backend dependencies.
- Maximized website performance through efficient asset management, reducing load times and improving accessibility across multiple devices.

DEVOPS/SRE PROJECT EXPERIENCE

Tier 3 Application Deployment - [GitHub Repository](#)
- Developed and deployed a Node.js and MongoDB application, implementing CI/CD with GitHub Actions and integrating SonarQube for code quality and automated security scanning.
- Built and managed containerized workloads with Docker and Kubernetes, deployed on GKE while provisioning infrastructure with Terraform, ensuring state management for scalability and high availability.
- Established proactive monitoring and observability with Cloud Operations Suite, Prometheus, and Grafana, configuring automated alerts and SLO-based reliability metrics.
- Crafted Python scripts and Ansible playbooks for automation, reducing manual effort and errors while enhancing productivity, enabling the team to focus on higher-value tasks.

EDUCATION

Bengaluru University – Bengaluru   October 2021
Bachelor of Computer Application

SKILLS AND INTERESTS

Cloud & DevOps: Google Cloud, AWS, Kubernetes, Docker, Terraform, Ansible, GitHub Actions, Jenkins, Prometheus, Grafana
Development: JavaScript, Java, Python, Angular, Node.js, YAML, SQL, MongoDB, RESTful APIs
Interests: GenAI, Web3, Multi-Cloud, Serverless Architecture, Cyber Security, Network Security, UI/UX

CERTIFICATES

- Google Cloud Associate Cloud Engineer: [Google](#)
- HashiCorp Terraform Associate Master Class: [Udemy](#)
- MEAN Full-Stack Developer: [Simplilearn](#)