

KAVYA G M

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<https://kavyagoudam.github.io>

SKILLS

Kubernetes Docker Azure AWS Azure Devops Python Git

Terraform Linux ELK Jenkins Ansible ArgoCD

Prometheus and Grafana

WORK EXPERIENCE

Kubernetes Engineer, Hitachi Digital Solutions.

Nov 2021 - present

- Automated the deployment of cloud service using Docker and Kubernetes which produced the application stability by 50%.
 - Launched a comprehensive monitoring solution for the e-commerce application on Azure, ensuring real-time performance tracking and issue resolution capabilities, which led the incident response time by 40%.
 - Streamlined containerized application process, reducing application deployment times by 30%
 - Created the Multi-node Kubernetes cluster using Terraform that improved deployment efficiency by 55% and significantly reduced downtime.
 - Demonstrated excellence in troubleshooting and identifying solutions for complex issues within Kubernetes and Docker environments.
 - Co-orchestrated the integration of a Azure CI/CD pipeline within Kubernetes, improving development team output by 50%
 - Streamlined infrastructure by deploying Docker containers, reducing system load by 35%.
 - Collaborated with the security team to implement network policies in Kubernetes, bolstering our system's defense against cyber threats and passing stringent security audits
 - setup a custom monitoring stack on top of Prometheus and Grafana, improving alert response times by 50%
 - Assisted in developing Kubernetes manifests and Helm charts, contributing to 20% reduction in deployment complexities.
 - Optimized resource allocation by implementing autoscaling via Kubernetes Horizontal Pod Autoscalers and Cluster Autoscalers, leading to a 30% reduction in compute costs.
 - Designed and deployed Azure cloud infrastructure as code using Terraform with blue/green deployments, achieving a 50% reduction in production deployment risks.
 - Implemented service mesh - Istio on AKS cluster.
 - Sonar Cloud configuration in release pipeline (Azure Devops) to check code quality
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DevOps Engineer, Incture Technologies.

Apr 2020 -Aug 2021

- Worked on AWS resource automation to trigger alerts client account Using Lambda, API gateway, Cloud watch, SNS, DynamoDB.
- Assisted in the implementation of Event-Driven architecture that increased the provision of monitoring is Client system.
- Implemented CI/CD pipeline using Github Actions and Jenkins reduced deployment time by 30%
- Ensured Continues availability of services to customer by reducing downtime by 10%
- Spearheaded end-to-end automation initiatives, seamlessly integrating CI/CD pipelines using Jenkins with custom Shell and Groovy scripts, eliminating 80% of manual work.
- Executed the upgrade of Lambda functions and Jenkins, facilitating a 50% improvement in deployment times and ensuring compliance with industry standards for software support and maintenance across all development teams.

Cloud Engineer, Tata Consultancy Services.

Jan 2017 - JAN 2020

- Spin up scalable Linux systems with network storage servers, reducing 78% of infrastructure complexity
- Executed Backup schedule, weekly, monthly increasing the data Safety by 60%
- Developed the inventory and history of systems, reducing administrative effort by 60%
- Maintained user details in LDAP increased the administrative efficiency by 25%
- Managed and Monitored the Application/Servers using Nagios.
- Created AWS resources like AMI images, ELB, RDS, VPC,
- Strong Experience CI/CD build platforms/continuous integration using DevOps architecture.

EDUCATION

Bachelor of Computer Application

2013 - 2016

Bapuji Institute of higher Education(BIHE) - Davanagere - 70%

ADDITIONAL INFORMATION

- **Technical Skills:** Microservices, Event-Driven Architect,
- **Languages:** English, Kannada, Hindi
- **Certifications:** AWS certified solution Architect - Associate AWS01270336