

## Kavya G M

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### Objective:

Experienced and result-driven DevOps and cloud Engineer with over 9 + years of expertise in project deployment, automation, and optimization. Proficient in cloud services management (AWS & Azure), CI/CD practices, and a wide range of DevOps tools including GitLab, Docker, Vault, Kubernetes, Terraform, and more. Seeking to contribute my skills to drive efficiency and innovation in a dynamic DevOps role.

### Experience Summary:

A confident and hard-working professional with strong analytical, problem-solving, and interpersonal skills. Experienced in managing cloud services, implementing CI/CD pipelines, and collaborating with cross-functional teams. Proven track record in optimizing deployment processes and automating infrastructure.

### Professional Experience:

#### UST Global - Bangalore

##### Lead 1- DevOps Engineer | June 2025 – Till date

- Managed deployment of over 87 Kubernetes clusters in Azure with a 90% uptime rate.
- Managed artifacts with JFrog Artifactory and integrated with Jenkins, Nexus, and GitLab.
- Implemented Infrastructure as Code (IaC) using Terraform to provision and manage multi-cloud resources in Azure, improving deployment consistency and reducing manual intervention.
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- Led the full-stack DevSecOps transformation for, architecting a strategic migration of complex CI/CD pipelines from Azure DevOps to highly scalable, modular GitHub Actions.

#### Hitachi Digital Solutions

##### Consultant 2 | Nov 2021 – June 2025

- 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%..
- Played a key role in automating deployment, monitoring, and analysis of Azure infrastructure using tools such as Docker, Kubernetes, and Helm.
- Demonstrated expertise in Git by implementing efficient version control workflows, code reviews, and branching strategies.

- Actively participated in troubleshooting complex issues across the development and production environments, ensuring minimal downtime and optimal performance.
- Improved Security by adding Test coverage on legacy apps by 67% through automation, recognized by senior management.
- Sonar Cloud configuration in release pipeline (Azure DevOps) to check code quality.
- 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.
- Created the Multi-node Kubernetes cluster using Terraform that improved deployment efficiency by 55% and significantly reduced downtime.
- setup a custom monitoring stack on top of Prometheus and Grafana, improving alert response times by 50%
- Spearheaded the complete migration of 50+ complex CI/CD pipelines from Azure DevOps (or other legacy system) to GitHub Actions, resulting in a [Quantifiable result, e.g., 20% reduction in build time and 15% lower infrastructure cost].
- Designed and implemented reusable, modular GitHub Actions workflows utilizing composite actions and matrix strategies to support diverse polyglot microservice architectures, significantly reducing configuration duplication and accelerating feature delivery.
- Integrated advanced security gate checks directly into GitHub Actions workflows (SAST, DAST, Secret Scanning, OIDC for secure cloud access), establishing zero-trust deployment pipelines compliant with industry standards
- Engineered and managed self-hosted GitHub Actions runners across [Platform, e.g., Kubernetes] for specialized build requirements and cost control, while maintaining high availability and scaling using [Technology, e.g., Autoscaling Groups, custom controllers].
- Developed sophisticated environment promotion workflows leveraging GitHub Environments and required reviewers/approval processes to enforce strict change control between Dev, Staging, and Production environments, eliminating manual deployment errors.
- Architected and enforced a "Shift-Left" DevSecOps strategy by integrating Code Scanning (CodeQL) into all critical CI/CD pipelines. This integration proactively blocked the merge of code containing high-severity vulnerabilities, reducing time-to-remediation by 80% compared to post-deployment scanning.

## **Incture Technologies - Bangalore**

### **Cloud Engineer | Apr 2020 -Aug 2021**

- Configured and deployed tools for build, test, and release automation. Managed application builds and automations.
- Managed Docker containers and Kubernetes clusters for efficient application deployment. - Worked on AWS resource automation to trigger alerts client account Using Lambda, API gateway, Cloud watch, SNS, DynamoDB.
- Automated various infrastructure tasks with Ansible.
- Ensuring compliance with industry standards for software support and maintenance across all development teams
- 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%

- Worked on AWS resource automation to trigger alerts client account Using Lambda, API gateway, Cloud watch, SNS, DynamoDB

### **Tata Consultancy Services**

#### **Analyst | 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 /server Using Nagios
- Created AWS resources like AMI images, ELB, RDS, VPC
- Skilled in troubleshooting OS performance issues and monitoring systems using iostat, vmstat, netstat, sar, and top
- Successfully set up and enabled backup systems and high availability infrastructure for clients, reflecting my capability to manage complex technical projects.

#### **Skills:**

- Cloud Technologies: AWS, Azure
- Containerization: Kubernetes, Docker - Infrastructure as Code: Terraform.
- Continuous Integration/Continuous Deployment: GitHub Workflows, Azure DevOps, CI/CD, AgroCD.
- Version Control: Git, GitHub
- Monitoring and Observability: ELK
- Artifact Management: JFrog Artifactory, Nexus,
- Security: Vault, Key Vault
- Operating Systems: Linux (Red Hat, Ubuntu)
- Scripting: Shell Scripting, Python, Golang
- Package Management: Helm Charts
- Troubleshooting and Problem Solving

#### **Education:**

Bachelor of Computer Applications | Kuvempu university – Davanagere