Seetharamaiah Koya

Curriculum Vitae

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Professional Summary

DevOps Engineer with experience in developing scalable cloud infrastructures, creating automated deployments with CI / CD pipelines and administering Kubernetes environments in production. Proficient with Infrastructure as Code (Terraform), GitOps (ArgoCD), and Monitoring. Proven capabilities to work within cross-functional teams, identify cost savings, and execute cloud migration projects on Azure, Google, and AWS cloud platforms.

Technical skills

Cloud	AWS, Azure, GCP
CI/CD	GitHub Actions, Gitlab, Azure DevOps, GitOps(Argo CD)
Container Orchestration	Docker, Kubernetes, AKS, EKS, Kustomize, Helm Chart, Istio
IaC/Automation	Terraform , Ansible
SSL/TLS	Cert-manager, Cloudflare
Monitoring and Obervability tools	Grafana, Prometheus, Loki, Promtail, Fluent Bit, Uptime kuma
Security	Sonarqube, Trivy, OWASP
scripting	Python, shell/Bash
Databases	MSSQL, MongoDB, PostgreSQL
Artifactory Management	JFrog, GAR
Atlassian tools	Jira, Confluence
programming	Python, Java, NodeJs, .net
SDLC	Agile, scrum
Backup	Velero
AI/ML	Azure Databricks, MLFlow, Azure Data Factory(ADF), ADLS

Work Experience

Aug 2023 – present   **DevOps Engineer**.
WPP Media, Germany
- Owned and maintained CI/CD pipelines using GitLab, Azure DevOps, and GitHub Actions, enabling fast, reliable, and automated deployments on self-hosted runners.
- Managed and automated infrastructure using Terraform, streamlining provisioning, and reducing manual configuration errors.
- Designed scalable infrastructure on Azure Cloud and led the migration of legacy applications to the Azure Kubernetes Service (AKS).
- Oversaw AKS clusters, including regular upgrades and deployment management using GitOps with ArgoCD, and Helm.
- Developed and maintained Ansible playbooks to manage on-premises environments and ensure consistent configurations.
- Migration of SQL databases to the cloud, including setting up agent jobs to keep data synced across production and UAT.
- Administrated both SQL Server and MongoDB, handling performance tuning, backups, and day-to-day operations.
- Secure application access configured using Cloudflare Tunnels and Azure Application Gateways.
- Configured and maintained Velero to automate Kubernetes cluster backups, enabling reliable disaster recovery and ensuring data integrity across environments.
- Supported Azure App Services deployments through Azure DevOps pipelines and automated WebJobs for background processing.
- Observation and monitoring were implemented using Prometheus, Grafana, Loki, and Fluent-bit to improve visibility into system health and reliability.
- Reduced cloud infrastructure costs by 30 % through targeted optimization and the use of Azure Automation Accounts.
- Managed TLS/SSL certificates for docker hosts and K8s Cluster services.
- Worked closely with the Data team to manage Azure Data Lake storage, including access controls via RBAC and ACLs.
- Hosted and managed the intelligent data lake platform application through Ansible.

April 2022 – July 2023   **DevOps Engneer**.
Akkodis, Germany
- Collaborated with cross-functional development teams and stakeholders to ensure alignment with project requirements and business goals.
- Designed and implemented a microservices architecture, enabling faster and more reliable deployments using GitLab CI.
- Integrated tools like SonarQube, OWASP dependency checks, Trivy, and JFrog into CI/CD pipelines to ensure code quality, security, and artifact management.
- Deployed and managed Kubernetes applications using Argo CD, focusing on high availability, fault tolerance, and efficient resource usage.
- Built and maintained monitoring dashboards using AWS CloudWatch, Prometheus, and Grafana to ensure visibility and fast issue resolution
- Designed secure and scalable cloud infrastructure on Azure using Infrastructure as Code (IaC) and GitHub Actions for CI/CD automation.
- Provisioned and managed Azure resources, including App Services, service plans, databases, and network components, using Terraform.
- Streamlined infrastructure provisioning by modularizing Terraform code, which reduced deployment time and improved consistency.
- Automated build, test, and deployment workflows to Azure App Services via GitHub Actions for improved release efficiency.

Sep 2021 – Dec 2021	**AWS DevOps Intern**.
	PearlThoughts, India

- Provisioned AWS services including VPC, EC2, EKS, ECR, S3, IAM, and Cloud-Watch using Infrastructure as Code.
- Supported CI/CD pipeline workflows from code integration to automated deployment.
- Performed Linux system administration tasks including service troubleshooting, package management, and user access control.
- Monitored the applications using Prometheus, and Grafana

Jan 2018 – Feb 2019	**IT Engineer**.
	ABSOLUTE Integration Technologies, India

- Supported DevOps teams in implementing and maintaining CI/CD pipelines for continuous integration and deployment.
- Monitored system performance and security, proactively identifying and resolving issues.
- Maintained comprehensive documentation to streamline issue resolution, facilitate knowledge sharing, and support team collaboration.

Education

Aug 2013 – Jul 2017	Bachelor's, Mechanical Engineering
	Jawaharlal Nehru Technological University Kakinada, kakinada, India

Portfolio/Achivements

Huggingface.co	AI Agents Foundations
Databricks Academy	Azure Databricks Platform
Packt	Certified kubernetes security Specialist
IBM	Introduction to Data Engineering

Languages

Mother Tongue	Telugu
C1	English
A2	German

K. S. Ramaiah

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