

Digvijay Singh

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Pune, MH

Summary

DevOps Engineer with 3+ years of hands-on experience in cloud environments and infrastructure automation. Proficient in CI/CD, Infrastructure as Code (IaC), and Kubernetes-based microservice deployments. Proven track record of migrating applications to EKS, enhancing monitoring observability, and reducing operational overhead through automation. Adept at collaborating with cross-functional teams to deliver reliable and scalable systems.

Skills

- **Cloud Technology:** AWS, EKS, Load Balancers, IAM, CloudFront, S3, SNS, SES, Lambda, RDS, VPC, SQS, Route53, Document DB, Elastic cache, SSM and Eventbridge, Linux.
- **Version Control:** Git/Github
- **Messaging & Streaming:** Apache Kafka
- **IaaC:** Terraform, Cloud formation
- **CICD:** Github Action, ArgoCD, Azure Pipeline.
- **Containerization & Orchestration:** Docker, ECS, Kubernetes, EKS, Helm.
- **Monitoring:** Splunk, Instana, Cloudwatch, Pagerduty, Grafana and Prometheus, Data Dog, Dynatrace
- **Scripting:** Python, Bash, YAML.
- **Agile Methodologies:** Scrum, JIRA.

Experience

DevOps Engineer

Vodafone India Services Pvt. Ltd • MH

11/2022 - Present

- Deployed new microservices in Kubernetes, including RCMS and Web Proxy, onboarded the domain, and ensured connectivity with Kafka and the database.
- Implemented end-to-end CI/CD pipelines in GitHub Actions for RCMS and Web Proxy, automating builds, testing, and deployments, which significantly reduced manual effort and accelerated release cycles.
- For the RCMS microservice frontend and backend, we onboarded a new domain in Route53. To serve the frontend content, we created a CloudFront distribution and stored the content in S3.
- Migrated the OTP Manager and gateway profile microservice to EKS using Helm for deployment and Terraform for infrastructure.
- Migrated the idhub-ms-authn service to EKS using Helm for deployment, with ArgoCD for continuous delivery.
- Monitoring our Kubernetes/EKS cluster using Splunk, Instana, and Dynatrace for observability and performance insights.
- Managed weekly code deployments, ensuring application stability, seamless pod execution, and minimal downtime.
- Possess strong troubleshooting skills in Kubernetes clusters, diagnosing and resolving issues related to deployments, networking, and resource allocation.
- Designed and deployed scalable EKS (Elastic Kubernetes Service) infrastructure using Terraform, ensuring efficiency and high availability.
- Migrated Kubernetes workloads to Amazon EKS using Helm and GitHub Actions pipelines, enhancing scalability and deployment efficiency.
- Automated AMI patching for production servers, enhancing security and compliance with zero/minimal downtime.

Operational Excellence & DevOps Impact

- Implemented PagerDuty orchestration to enhance observability and ensure timely incident response.
- Created Splunk dashboards and alerts for multiple microservices.
- Set up alerts for DocumentDB using Amazon CloudWatch Insights and SNS to enable real-time notifications and proactive monitoring.

- Created Dyantrace dashboard for websso microservice for monitoring.
 - Created dyntrace dashboard and alerts for web-proxy service.
 - Managed and resolved high-priority production incidents, reducing average resolution time by 30%.
 - Used Splunk, Dynatrace, and Instana for real-time incident detection and troubleshooting.
 - Participated in 24x7 on-call rotations, ensuring rapid response to infrastructure and application-level incidents.
 - Upgraded DocumentDB and RabbitMQ clusters.
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Certificates

- HashiCorp Certified: Terraform Associate (*via Pluralsight training*)
 - AWS Solutions Architect – Associate (SAA-C03) (*via Udemy course*)
 - Certified Kubernetes Administrator (CKA) (*via Udemy course*)
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Projects

- **AWS EKS Deployments (Personal Projects):**

Designed and deployed microservices-based applications (e.g., e-commerce clone, voting app) on AWS EKS using Terraform, GitHub Actions, ArgoCD, Helm, and Kubernetes. Implemented CI/CD pipelines and integrated monitoring with Grafana and Prometheus for observability.

Education

B.tech

Rajiv Gandhi Prodyogiki vishwavidyalaya Bhopal • Bhopal, MP

06/2022

Electric and Electronics Engineer, CGPA: 8.2