Vivek Harikumar

DevOps Engineer

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Summary

Experienced DevOps Engineer with 2.8 years of cumulative experience in the IT industry. Specializing in cloud infrastructure management, deployment automation, and system administration. Proven track record of implementing DevOps best practices to optimize processes and improve efficiency. Strong expertise in AWS services, Terraform, Ansible, Docker, Kubernetes.

Skills

Category	Tools
DevOps Tools	Docker, Kubernetes, Helm, Argocd
Cloud Platforms	Amazon Web Services (AWS), Google Cloud Provider (GCP), Azure
Scripting Languages	Python (Basics), Bash
Automation Tool	Ansible
CI/CD Pipelines	Jenkins, GitLab CI/CD, GitHub Actions
Monitoring and Logging	Prometheus, Grafana
Infrastructure as Code	Terraform
Version Control	Git , GitHub , Bitbucket

Professional Experience

- **Urolime Technologies Pvt Ltd** — Junior DevOps Engineer
  Kochi, India — 12/2022 – Current
  - Participated in daily stand-up meetings with the DevOps team to discuss tasks and progress.
  - Ensured high availability of services through proper configuration management techniques.
  - Participated in team-based assessments to ascertain DevOps assignment goals.
  - Monitored equipment function to verify conformance with specifications.
  - Created scripts to automate the process of monitoring system performance.
- **Armia Systems Pvt. Ltd.** — Linux System Administrator
  Kochi, India — 07/2022 - 11/2022
  - Analysed system logs to identify suspicious activities or anomalies.
  - Generated reports on server usage statistics and capacity planning metrics.
  - Maintained cloud-hosted and on-site servers by applying appropriate patches and monitoring hardware health.
- **Aramco** — Logistics Associate
  Abha, Saudi Arabia — 03/2019 - 01/2022
  - Accurately recorded and tracked inventory levels in the warehouse management system. Coordinated with vendors, customers, and other internal departments to ensure timely delivery of goods.

Education And Training

- Bachelor of Computer Applications: Computer Application University of Madras Chennai Certifications
- Red Hat Certified System Administrator (RHCSA), RHCE, AWS, AZURE: IPSR Solution Ernakulam
- Microsoft Certified Professional (MCP) : Command IT Solution Trivandrum
- Diploma in Logistics Management: Logistics and Materials Management Kerala Institute of Travel and Tourism Trivandrum

Projects

- Developed a complete IPv4 to IPv6 transition plan, addressing challenges like IPv4 address depletion. Successfully migrated an existing IPv4 VPC to IPv6, upgraded servers for IPv6 compatibility, and configured load balancers to enable smooth communication between IPv4 and IPv6 networks.
- Conducted infrastructure performance and stability assessments using Grafana and k6. Performed load testing on a Node.js application to ensure it was robust, efficient, and scalable, showcasing strong skills in system monitoring and optimization.
- Used Terraform Workspaces to set up separate production and staging environments with the same configuration files. Deployed a two-tier application stack in production (with an ALB, two EC2 instances, and a DB instance) and a simpler setup in staging (one EC2 instance and a DB instance), highlighting expertise in infrastructure management and deployment automation.
- Containerized Next.js and Spring Boot applications from an existing infrastructure, implemented CI/CD pipelines using Jenkins, and deployed them to Amazon EKS using Helm Charts.
- Implemented Google Kubernetes Engine (GKE) with Terraform, adhering to industry best practices. Deployed Node.js applications using Helm Charts, utilized Google CI/CD services, and explored cloud-agnostic deployments with Jenkins.
- Built Amazon EKS infrastructure using Terraform, provisioning clusters, worker nodes, and networking components. Managed security groups and IAM roles to ensure smooth EKS operations, enabling reliable and repeatable infrastructure deployments.

Key Traits & Career Vision

- Strong problem-solving skills with a keen attention to detail.
- Excellent communication and teamwork abilities, demonstrated through successful collaboration with cross-functional teams.
- Passionate about staying updated with emerging technologies and trends in the DevOps landscape.
- Proven ability to adapt quickly to new environments and technologies, with a strong commitment to continuous learning and improvement.
- Seeking opportunities to contribute to innovative projects and drive organizational success in a dynamic and challenging work environment.

Certifications

- **Red Hat Certified System Administrator (RHCSA) Issued by Redhat**
- **Microsoft Certified Professional (2008 Server) : June 2013**