Vivek Harikumar

DevOps Engineer

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Summary

Junior DevOps Engineer with expertise in AWS, K8s, and other cloud services. My educational background includes a Bachelor of Computer Applications from the University of Madras, where I gained a strong foundation in computer applications and network programming. My passion for technology drives me to continuously learn and enhance my skills. My goal is to become a successful DevOps Engineer, contributing to industry innovation.

Skills

Category	Tools
DevOps Tools	Docker, Kubernetes
Cloud Platforms	Amazon Web Services (AWS), Google Cloud Provider (GCP)
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

Professional Experience

- **Urolime Technologies Pvt Ltd** — Junior DevOps Engineer
  Kochi, India — 12/2022 – Current
  - Participated in daily standup 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
  - Analyzed 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)
- Microsoft Certified Professional (MCP)
- Diploma in Logistics Management: Logistics and Materials Management Kerala Institute of Travel and Tourism Trivandrum

Projects

- implemented a comprehensive IPv4 to IPv6 transition solution, including analysis of challenges posed by IPv4 address depletion, successful migration of an existing IPv4 VPC to IPv6, upgrading of servers to IPv6 compatibility, and configuration of load balancers for seamless communication between IPv4 and IPv6 networks.

- Continuous deployment of a PHP application in docker container and test environment using ansible, Jenkins and GitHub
- Conducted infrastructure performance and stability checks utilizing Grafana and k6, and performed load testing on a Node.js application to ensure robustness, efficiency, and scalability, demonstrating proficiency in monitoring and optimizing system performance.
- Implemented Terraform Workspaces to create distinct production and staging environments using the same configuration files. Deployed a two-tier application stack with an Application Load Balancer (ALB), two EC2 instances, and a DB instance in production, and a single EC2 instance and DB instance in staging, demonstrating expertise in infrastructure management and deployment automation.
- Created an internal Wikipedia space using Book Stack Docker, improving knowledge sharing and collaboration within the organization.

- Implement Google Kubernetes Engine (GKE) with Terraform following industry best practices, deploy Node Js applications using Helm Charts, leverage Google CI/CD services, and explore Cloud Agnostic deployment with Jenkins
- Utilized Terraform to create Amazon EKS infrastructure, provisioning clusters, worker nodes, and networking components. Managed security groups and IAM roles for smooth EKS operations, ensuring reliable and repeatable infrastructure deployments.

Courses

- **AWS Solution Architect**
- **Azure (persuing)**
- **RHCE**

Additional Information

- **Languages**: Fluent in English, Malayalam and Hindi
- **Interests**: Continuous learning, cloud technologies, Music