Manoj Chappidi

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PROFESSIONAL SUMMARY

Accomplished DevOps Engineer with 3+ years of experience in cloud infrastructure management, automation, and security. Proficient in leveraging AWS, Docker, Kubernetes, Ansible, and CI/CD pipelines to streamline development processes and optimize cloud-based environments. Demonstrated success in automating deployment workflows, improving system performance, and implementing security best practices to ensure scalability, reliability, and high availability. Adept at cost optimization, system monitoring, and driving operational efficiency across both development and production environments.

TECHNICAL SKILLS

- **Cloud Platforms**: AWS (EC2, S3, RDS, IAM, VPC, CloudWatch), GCP
- **Infrastructure as Code (IaC)**: Terraform, Ansible
- **Containerization & Orchestration**: Docker, Kubernetes, KOPS
- **CI/CD Pipelines**: Jenkins, GitHub Actions
- **Version Control**: Git, GitHub, GitLab
- **Monitoring & Logging**: Prometheus, Grafana, Nagios
- **Networking & Security**: VPN, Load Balancing, IAM, SSL/TLS, Firewalls
- **Build & Automation Tools**: Maven

PROFESSIONAL EXPERIENCE

Inventigen Technologies (Onward Health)

📍 DevOps Engineer (Jan 2022 – Present)

- Engineered a highly scalable AWS infrastructure using EC2, S3, RDS, and ELB, achieving 99.99% uptime.
- Spearheaded migration to Docker and Kubernetes, reducing deployment time by 40% and increasing efficiency.
- Optimized AWS costs by 62.5%, saving ~$500/month through strategic resource allocation and rightsizing.
- Led cross-account migrations of S3 buckets & databases, ensuring zero downtime and full data integrity.
- Automated CI/CD pipelines using Jenkins & GitHub Actions, reducing deployment failures by 30%.
- Implemented centralized monitoring with Prometheus, Grafana & Nagios leading to proactive issue resolution.
- Enhanced security by enforcing SSL/TLS, IAM best practices, and firewall rules, securing cloud workloads.

KEY PROJECTS & CLIENT DEPLOYMENTS

PathflowDx & SlideScholar

- Cloud & Containerization: Deployed and containerized applications using Docker & Kubernetes for enhanced scalability and performance.
- Infrastructure Design: Designed secure cloud environments with IAM policies, VPC networking, and load balancing to ensure high availability.
- Security & Compliance: Implemented SSL/TLS certificates for encrypted communication, strengthening application security.
- Automated Backup & Disaster Recovery: Developed automated backup strategies using AWS RDS snapshots & S3 lifecycle policies to ensure data resilience.
- Microservices Migration: Led the migration of monolithic applications to a microservices architecture, improving scalability, fault tolerance, and deployment efficiency.

Client Deployments & Ongoing Support

- Successfully deployed PathflowDx & SlideScholar for clients across India, ensuring zero downtime operations.
- Provide continuous monitoring, security updates, and application enhancements to maintain performance & compliance.
- Implement automated email-based alerting systems for real-time issue detection and resolution.

KEY ACHIEVEMENTS

- Cost Optimization: Achieved a 62.5% reduction in AWS costs, resulting in monthly savings of $500 by implementing strategic resource allocation and optimization techniques.
- Security Enhancement: Led the integration of SSL certificates across multiple websites, significantly enhancing security and user experience.
- Data Migration & Continuity: Successfully migrated databases and S3 buckets, ensuring data integrity and operational continuity throughout the process.

ADDITIONAL RESPONSIBILITIES

- AWS Infrastructure & Account Management: Managed AWS accounts, including IAM role creation, access control, and billing oversight, ensuring cost efficiency and security compliance.
- Cost Optimization: Monitored and optimized AWS resource allocation, reducing expenses by implementing rightsizing strategies and automated scaling.
- Security & Compliance: Conducted regular security audits, enforced IAM best practices, and ensured compliance with AWS security protocols.
- Led and mentored a team of 5 interns, with two specializing in DevOps, providing technical training on AWS security, cloud cost management, and infrastructure best practices.
- Supervised interns' work and acted as their primary point of contact for project-related queries, ensuring seamless knowledge transfer and hands-on learning.

CERTIFICATIONS

Cloud & DevOps Technologies:

- [Advanced AWS Cloud Architecture & Engineering](#) – Great Learning
- [Microsoft Azure Cloud Solutions & Administration](#) – Great Learning
- [Google IT Support & Enterprise Systems Administration](#) – Google
- [Kubernetes Deployment & Cluster Management](#) – IBM
- [Enterprise Cloud Computing & Virtualization](#) – IBM
- [Docker for Scalable Application Deployment](#) – IBM

IT Infrastructure & Security:

- [Linux System Administration & Development](#) – LinkedIn
- [IT Strategy & Business Technology Management](#) – HP