Jyothi J

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SENIOR DEVOPS ENGINEER

Skilled in designing and deploying scalable, high-availability solutions on AWS. Proficient in cloud infrastructure management, automation, and continuous integration/delivery (CI/CD). I have around **4 years** of Expertised in optimizing cloud environments for performance and cost-efficiency. Adept at leveraging AWS services to enhance system reliability and security. Committed to driving innovation and efficiency in DevOps practices.

- Implemented monitoring and logging solutions using **Prometheus, Grafana, and the ELK stack** to ensure high availability and performance of applications.
- Developed and maintained **infrastructure as code (IaC)** to streamline and automate cloud resource management.
- Collaborated with cross-functional teams to design and deploy scalable, secure, and **cost-effective cloud architectures**.
- Conducted regular security audits and implemented best practices to safeguard sensitive data and ensure compliance with industry standards.
- Provided mentorship and training to junior team members, fostering a culture of continuous learning and improvement.
- Actively participated in code reviews, sprint planning, and retrospective meetings to enhance team productivity and project outcomes.
- Continuously explored new technologies and tools to improve **DevOps** practices and enhance operational efficiency.

KEY COMPETENCIES

Git & Github	Docker	Grafana & Prometheus
Maven	kubernetes & GitOps	Linux
Jenkins	Ansible	Shell & Python scripting

PROFESSIONAL EXPERIENCE

ACADEMIAN INDIAN PVT LTD   **March 2023-Feb 2025**

Senior DevOps Engineer

Senior DevOps engineer transformation for 15+ enterprise applications, implementing **CI/CD** pipelines that reduced deployment time from 4 hours to 30 minutes (87.5% improvement)

·Architected and implemented end-to-end CI/CD workflows using **Jenkins**, **AWS CodePipeline**, and **Docker**, serving 10+ global markets

·Managed AWS infrastructure for production environments handling 1M+ daily transactions across Germany, Japan, and SEASK regions

Responsibilities

- Managed Infrastructure: Utilized Docker and Kubernetes for containerization and orchestration, enabling efficient scaling and management of applications in cloud environments. (Tools: **Docker**, **Kubernetes**)
- Automated Configuration: Implemented Infrastructure as Code (**IaC**) using **Terraform** and **Ansible** to automate the configuration and management of infrastructure, ensuring consistency and repeatability across environments. (Tools: Terraform, Ansible)
- Monitored Performance: Deployed and configured Prometheus and Grafana for comprehensive system monitoring and visualization, allowing for real-time performance tracking and rapid issue resolution. (Tools: **Prometheus**, **Grafana**)
- Collaborated with Teams: Worked closely with development teams to streamline workflows and integrate changes using version control systems like Git, enhancing collaboration and continuous integration. (Tools: **Git**)
- Ensured Security: Applied security best practices and automated security checks to protect sensitive data and maintain compliance with regulatory standards.

DevOps Engineer

Responsibilities

- Implemented CI/CD pipelines for **Java, GenAI, ReactJS,** and **NodeJS** applications using **GitHub Actions, Jenkins**, and AWS CodePipeline, enabling automated build, test, and deployment workflows.
- Designed and deployed highly available backend services on AWS using **EC2, EKS, ELB, ASG,S3 and RDS**, improving uptime and scalability across multiple environments.
- Configured **VPCs**, **subnets**, **route tables**, and **security groups** to ensure secure, network-isolated deployments aligned with enterprise security standards.
- Integrated containerized **microservices** using Docker and Kubernetes, optimizing deployment speed and resource utilization.
- Managed **Git**-based source control with feature branching, code reviews, and automated testing for consistent release management.
- Implemented infrastructure as code (IaC) using Terraform and **CloudFormation**, enabling repeatable environment provisioning.
- Automated monitoring and alerting using **CloudWatch** and Prometheus, improving system visibility and reducing incident resolution time.
- Collaborated with developers to streamline UI (ReactJS) and API (NodeJS) deployments through automated pipelines and environment consistency.

EDUCATION

Master of Computer Applications (MCA)
Siddaganga Institute of Technology Tumkur Graduated:
2019

Bachelor of Computer Applications (BCA)
Vidyavahini First Grade college Tumkur Graduated:
2016

CERTIFICATION

AWS Certified Solutions Architect – Associate
DevOps Certified Solutions Architect – Associate