Vidhya Shanker Goel — Senior DevOps Engineer

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Professional Summary

Senior DevOps Engineer with over 6 years of experience in Build, Release, Deployment, and Software Configuration Management. Expertise in CI/CD processes, cloud technologies, automation, and container orchestration. Proven track record in managing cloud infrastructures, deploying applications, and providing 24x7 production support. Proficient in AWS, Jenkins, Docker, Kubernetes, Ansible, and Terraform.

Core Competencies

– Continuous Integration/Continuous Deployment (CI/CD)

– Cloud Computing (AWS, Azure)

– Configuration Management (Chef, Ansible)

– Containerization (Docker, Kubernetes)

– Scripting (Shell, Python, YAML)

– Version Control (Git, GitHub)

– Infrastructure as Code (Terraform)

– Automation and Orchestration

– Monitoring and Logging (CloudWatch, ELK Stack)

– Agile and Scrum Methodologies

Professional Experience

Wipro Technologies   **Toronto, ON**
Senior DevOps Engineer   *June 2018–December 2023*

- Designed and deployed multi-tier applications utilizing AWS services (EC2, S3, RDS, VPC, IAM, ELB, CloudWatch, Route 53, and CloudFormation) for high-availability and fault-tolerant environments.

- Created network architecture on AWS VPC, subnets, Internet Gateway, and Route Table.

- Managed users and groups using IAM, assigning policies and roles per requirements.

- Automated repetitive tasks and deployed applications using Ansible.

- Implemented CI/CD processes using AWS, GitHub/Git, Jenkins, and Chef; managed microservices builds to Docker registry and deployed to Kubernetes Cluster.

- Developed Terraform templates for infrastructure deployment and wrote Ansible playbooks for application installation and configuration.

- Provided support for Docker image building and Kubernetes resource deployment with YAML.

- Followed Agile methodology and participated in sprint planning meetings.

- Defined branching, labeling, and merge strategies for all applications in GIT.

RSA Insurance Group (Wipro)   **Toronto, ON**
DevOps Engineer   *2019–2020*
- Implemented build automation solutions using scripts, Jenkins, and Shell.

- Managed GitHub Enterprise and automated the build process with Jenkins.

- Developed continuous delivery pipelines using Jenkins and Ansible.

- Built Docker containers and deployed them to various environments (Dev, iTest, Scale, UAT, SIT, PROD).

- Configured and launched AWS EC2 instances, set up Route53 for traffic routing, and worked with Amazon EC2 for application deployment.

- Designed and deployed applications using various AWS services (EC2, Route53, S3, RDS, SNS, IAM).

- Set up Artifactory Pro as a Docker container with a secure private Docker registry.

Citi Bank (Wipro)   **Toronto, ON**
Junior DevOps Engineer   *2018–2019*
- Gained a solid understanding of DevOps principles and iterative improvement environments.

- Contributed to the development of a CI/CD pipeline, increasing deployment frequency by 30%.

- Mastered scripting and automating repetitive tasks, reducing manual intervention by 25%.

Education

Humber College   **Toronto, ON**
Business Insights in Big Data Analyst   *2024–2025*
In Progress

Birla Institute of Technology and Science
M.Tech in Software Engineering   *2018–2022*

Guru Gobind Singh Indraprastha University
Bachelors in Computer Science   *2015–2018*

Technical Skills

Methodologies: Agile, DevOps, Scrum   **Languages**: SQL, YAML, Bash, Python, Shell

Cloud Technologies: AWS (Amazon Web Services), Azure, Google Cloud Platform

Configuration Management: Chef, Ansible, Puppet

Continuous Integration: Jenkins, GitLab CI, Travis CI

Version Control Tools: GIT, GitHub, Bitbucket

Database: Oracle, MySQL, SQL Server, PostgreSQL

IDEs: Visual Studio Code, Eclipse, Sublime, Notepad++

OS & Environment: Windows, Unix, Linux, macOS

Monitoring: CloudWatch, ELK Stack, Prometheus

Certifications

2023: AWS Certified Solutions Architect – Associate

2022: Certified Kubernetes Administrator (CKA)

2021: Microsoft Certified: Azure Administrator Associate

Projects

Multi-Cloud Deployment:

– Designed and implemented a multi-cloud deployment strategy utilizing AWS and Azure to ensure high availability and disaster recovery.

– Automated infrastructure provisioning using Terraform, resulting in a 50% reduction in deployment time.

– Developed Ansible playbooks to configure and manage cloud resources, enhancing operational efficiency.

Microservices Architecture:

– Implemented a microservices architecture using Docker and Kubernetes, improving application scalability and resilience.

– Managed CI/CD pipelines with Jenkins to automate build, test, and deployment processes, reducing time to market by 40%.

– Deployed monitoring solutions using Prometheus and Grafana, enabling proactive issue detection and resolution.

Security Automation:

– Developed automated security compliance checks using AWS Config and Lambda, ensuring adherence to industry standards.

– Implemented a centralized logging solution using the ELK stack, enhancing visibility and traceability of security events.

– Conducted regular security audits and penetration tests, reducing vulnerabilities by 30%.

Data Pipeline Automation:

– Created an automated data pipeline using AWS Glue and Lambda, streamlining data processing and transformation.

– Integrated the data pipeline with Amazon Redshift for efficient data warehousing and analytics.

– Optimized data workflows, reducing processing times by 35%.