

DINESH YADAV

DevOps Engineer

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SUMMARY

DevOps Engineer skilled in **AWS (EC2, EKS, RDS, VPC, IAM, S3, Route53, CloudWatch)**, **Terraform**, **Ansible**, **Docker**, **Kubernetes**, **CI/CD (GitHub Actions, Jenkins, GitLab CI/CD)**. Experienced in **containerizing applications**, **automating deployments**, **optimizing databases**, and **implementing scalable, secure, and highly available systems**. Proficient in **monitoring and logging with Prometheus, Grafana, CloudWatch, and ELK Stack**, ensuring reliability and performance. Strong backend and scripting skills with **Python, Bash, PowerShell, SQL**, supporting enterprise applications and automated workflows.

PROFESSIONAL EXPERIENCE

DevOps Engineer

Jan 2025 - July 2025

Blacksilver Technology

- Designed AWS infrastructure (**EC2, VPC, RDS, IAM, Route53, S3**) to build secure, scalable, and highly available cloud environments for enterprise applications. Automated provisioning and infrastructure deployments using **Terraform, Ansible, and IaC** best practices to reduce manual errors and accelerate delivery cycles.
- Containerized applications with **Docker** and **deployed microservices on Kubernetes (EKS)** using Helm charts, enabling scalability and efficient resource management. Built CI/CD pipelines with **Jenkins, GitHub Actions, and GitLab CI/CD** for automated testing, building, and deployments, reducing release time and human effort.
- Implemented observability with **CloudWatch, Prometheus, Grafana, and ELK Stack** to monitor system health, set alerts, and improve incident response efficiency. Optimized **SQL queries and RDS database** performance, improving query execution times, reducing latency, and increasing overall system availability.
- Secured cloud infrastructure by managing **IAM roles**, policies, and secrets, enforcing RBAC, and following least privilege principles to protect sensitive systems. Collaborated with developers and cross-functional teams to enforce DevOps practices, enabling faster release cycles and ensuring zero-downtime deployments.

Application

Sep 2023- Dec 2024

Vizva Consultancy Services

- Supported enterprise applications running on **Linux/Windows servers**, ensuring system uptime and smooth backend operations. Used **SQL, MySQL**, and PostgreSQL for database monitoring, performance tuning, query optimization.
- Monitored logs and production issues using **ELK Stack, CloudWatch**, and custom scripts for faster troubleshooting.
- Automated recurring support tasks with **Python, Bash, and PowerShell**, reducing manual effort and human errors.
- Collaborated with dev teams to deploy patches using **Git, GitHub, and Jenkins**, ensuring smooth release management.
- Ensured backend application reliability with **API debugging**, log analysis, and system performance monitoring.

Inter

Feb 2019 – Aug 2019

Ocrolus East Pvt Ltd

- Handled back-office operations and documentation.
- Created clear and accurate summaries from data and reports.
- Maintained records and ensured data accuracy.
- Supported daily business operations with efficiency.
- Assisted in smooth workflow and task completion.

EDUCATION

Master of Science in Computer

8.1 CGPA

2020 - 2022

Dr. A. P. J. Abdul Kalam Technical University

Bachelors in computer Science

7.1 CGPA

2016 - 2019

Mahatma Gandhi Kashi Vidyapith University

SKILL

Cloud Platforms	AWS (EC2, S3, RDS, IAM, VPC, Route53, Amplify, EKS, CloudWatch)
Infrastructure / IaC	Terraform, Ansible, Kubernetes, Helm, Docker, Docker Compose
CI/CD & Version Control	Git, GitHub, GitLab CI/CD, Jenkins, GitHub Actions
Programming / Scripting	Python, Java, Bash, PowerShell, SQL, Node.js (basic)
Databases	MySQL, PostgreSQL, SQL Server, RDS, Query Optimization, Performance Tuning
Monitoring & Logging	AWS Cloud Watch, Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana)
OS & Tools	Linux (Ubuntu, Centos), Windows Server

PROJECTS

Cloud-Native E-Commerce Platform on AWS EKS

- Developed a **scalable microservices e-commerce platform** using **AWS EKS, EC2, RDS, VPC, IAM, Route53, S3**.
- Containerized services with **Docker** and deployed on **Kubernetes (EKS)** using **Helm** for easy scaling. Implemented **CI/CD pipelines** with **GitHub Actions and Jenkins**, enabling automated build, test, and deployment. Integrated **CloudWatch, Prometheus, Grafana, and ELK Stack** for monitoring, logging, and alerting.

Automated Backend Data Processing Platform

- Built a backend platform using **AWS EC2, RDS (PostgreSQL/MySQL), VPC, IAM, Route53, S3** for secure data processing.
- Containerized backend applications with **Docker, deployed on Kubernetes (EKS/Fargate)** for high availability.
- Automated infrastructure and deployments using **Terraform, Ansible, GitHub Actions, Jenkins, ensuring CI/CD**
- Monitored applications with **CloudWatch, Prometheus, Grafana, and ELK Stack**, and optimized SQL queries.

CERTIFICATIONS

- AWS DevOps Engineer**
- Hewlett Packard Enterprise (HPE)**
- Python | Java | SQL**