PRANAY VERMA

DevOps Engineer / Solutions Architect

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SUMMARY

Highly experienced Cloud & DevOps engineer with proven expertise in managing multi-cloud environments . I come from development background and have built expertise in cloud solutions, expanding expertise in MLOps.

WORK EXPERIENCE

MLOps Engineer   May 2023 – July 2025

SIXT   **Delhi IN**

- Managed the lifecycle of machine learning products, focusing on model training, serving, and monitoring at scale.
- Developed solutions to enhance the scalability and efficiency of machine learning models.
- Automated deployment pipelines to ensure continuous delivery of machine learning models.
- Optimized existing machine learning infrastructure, reducing latency and improving model performance.

Senior DevOps Engineer   Feb 2022 – April 2023

KinexaIOT   **Noida UP**

- Migrated Overall Infrastructure from AWS to Azure with cost-saving strategies , improving efficiency and reducing cloud spends.
- Deployed authentication, front end & backend servers using k8s.
- Managed service routing ensuring fast responses when handling huge traffic amounts.

DevOps Engineer   May 2021 – Feb 2022

Diaspro Intech Private Limited   **Noida UP**

- Implemented robust container orchestration using Azure Kubernetes Service (AKS), deploying scalable PHP and Node.js applications, and optimizing performance with Azure Application Gateway and Nginx.
- Worked on AWS services like EC2, S3, EBS, EKS, ECS, Route 53, Cloud Watch, IAM.
- Created and manage over 60+ CI/CD pipelines for deployments on servers using Jenkins & GitHub actions.

Software Development Engineer   June 2020 – May 2021

Diaspro Intech Private Limited   **Gurugram, Haryana**

- Contributed to developing client-facing web applications, which supported over 150K daily users.
- Hands-on experience with Microsoft Azure services including Azure DevOps, App Services, Functions, Key Vault, and Azure SQL.
- Implemented RESTful API that served as a backbone for high-traffic e-commerce platform improving user experience by reducing latency.

Freelance Developer   September 2019 – March 2020

Self Employed   **Ghaziabad UP**

- Delivered over 10+ client projects on time and within budget, maintaining 100% positive
- Managed end-to-end development: client requirements, UI/UX design, coding, testing, and deployment.

SKILLS & TOOLS

Programming	**:** Bash, Python, Go, Java Script, Java.
Tools	**:** Kubernetes, Docker, Terraform, Ansible, Jenkins, Gitlab CICD, Github Actions, Prometheus, Grafana, Openshift, ArgoCD, Kyverno, YAML, CloudFlare, Kubectl AI.
Databases	**:** MySQL, PostgreSQL, DynamoDB, Cassandra, Redis, RDS, MongoDB

PROJECTS

- **Automated ML Model Deployment Pipeline using Jenkins & Docker:** I designed and implemented a CI/CD pipeline for automating the training and deployment of machine learning models using Jenkins. I containerized the entire workflow with Docker, ensuring consistent environments from development to production. I also integrated model validation checks and automatic rollback on failure to maintain production stability.

- **3-Tier Architecture on AWS EKS:** This DevOps project focuses on deploying, and managing a highly scalable and resilient three-tier e-commerce website on Amazon Elastic Kubernetes Service (EKS). The project follows best DevOps practices such as Infrastructure as Code (IaC), CI/CD automation, containerization, and monitoring to ensure a seamless and efficient deployment process. **Monitoring :** I integrated this project further with comprehensive monitoring & Visualising solution using Prometheus and Grafana.

- **Scalable Model Monitoring & Retraining System on AWS:** In this project, I set up an end-to-end MLOps system on AWS to monitor deployed ML models for performance degradation. I configured CloudWatch alerts, implemented data drift detection using Lambda functions, and automated retraining pipelines using SageMaker and Step Functions. This ensured our models stayed accurate with real-time data changes.

CERTIFICATIONS

AWS Certified DevOps Engineer – Professional	**Orcale Certified: DevOps Professional**	**Advanced Kubernetes Practitioner**
Link Here	Link Here	Link Here
Microsoft Certified: Azure Developer Associate	**Certified Kubernetes Administrator (CKA)**	**Oracle Certified : Generative AI Professional**
Link Here	Link Here	Link Here

EDUCATION

Master of Business Administration – Data Science   **2019-2021**
Amity University, Noida

- Major in "Big Data Analytics"

Bachelor of Technology – Computer Science   **2016-2019**
KIET Group of Institutions, Ghaziabad

- Major in "Software Engineering"
- Built a Production mobile car pooling app called "ReachMe".