

AMAY JAISWAL

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Education

KIET Group Of Institutions

Bachelor of Technology in Computer Science, 7.42 CGPA

Ghaziabad

November 2021 - May 2025

Experience

BUSINESSNEXT

Noida

DevOps & Cloud Engineer

July 2025 - Present

- Deployed, managed, and optimized **Kubernetes clusters (EKS self-managed)** for scalable microservices; implemented **Helm** for versioned deployments and configured liveness/readiness probes, secrets management, and **HPA**. Performed **cluster troubleshooting, log analysis, and rolling updates**.

Perception & Quant Research

Remote

DevOps Engineer

April 2025 - July 2025

- Designed and implemented **CI/CD pipelines using Bitbucket**, automating deployments for 4+ projects and integrating **DevSecOps** practices, reducing deployment errors by 50%
- Containerized 10+ microservices using **Docker**, reducing deployment time by 30% and environment inconsistencies by 25% through optimized **Dockerfiles and Docker Compose**.
- Implemented **Prometheus, Grafana, and Alertmanager monitoring** for 4+ applications, achieving 95% uptime and reducing mean time to detect (MTTD) by 40% through threshold-based alerting and real-time dashboards.
- Deployed **ELK Stack (ElasticSearch, LogStash, Kibana)** for centralized logging and dashboards, reducing troubleshooting time by 35% and configured **WireGuard VPN** for secure SSH access across critical servers.

Personal Projects

End-to-End Automation with Jenkins, Docker, Prometheus, Grafana, and AWS

April 2025

- Led the end-to-end development of a **Jenkins-based CI/CD pipeline** for a **Java** application, utilizing **Docker** for containerized deployments on **AWS EC2**, resulting in a 30% improvement in deployment speed.
- Configured **GitHub webhook triggers with Jenkins** to initiate builds and container image pushes to **AWS ECR**, achieving 100% automation in the build and deployment process.
- Integrated **Prometheus, Grafana, and Alertmanager** for monitoring and alerting, improving MTTD by 40%.

Automated CI/CD Pipeline with Jenkins, AWS, Terraform, and GitHub

March 2025

- Developed and Deployed a Fully Automated **CI/CD Pipeline utilizing Jenkins, AWS EC2, Terraform, and GitHub**, achieving 80% improvement in deployment efficiency.
- Integrated **Jenkins with Terraform** for Infrastructure Provisioning, managing **AWS resources (EC2, S3 Bucket)** with **Infrastructure as Code (IaC)** to ensure consistency and scalability.

Serverless REST API with AWS Lambda & API Gateway

February 2025

- Developed a cost-efficient serverless **REST API** using **AWS Lambda, API Gateway, and DynamoDB**, reducing infrastructure cost by 90% and achieving 99.99% uptime.
- Configured **IAM roles and Lambda triggers** to automate secure request handling, improving API response by 40%.

Docker Containerized Flask App with AWS, Terraform, and PostgreSQL

January 2025

- Containerized a **Python Flask app** with **PostgreSQL** using **Docker Compose and Volumes**, achieving 100% environment consistency and 90% Database uptime.
- Provisioned **AWS EC2 with Terraform**, reducing manual setup time by 80% and ensuring scalable infrastructure.

Technical Skills

Languages: Python, JAVA, C, SQL, Bash/Shell Scripting

AWS Services: EC2, S3, IAM, Lambda, DynamoDB, RDS, VPC, Route 53, ACM, EBS, API Gateway, CloudFront, Elastic Beanstalk, ECR, CloudWatch, SQS, SNS

CI/CD & DevOps Tools: Linux, Jenkins, GitHub Actions, Bitbucket Pipelines, Git, GitHub, Bitbucket

Infrastructure as Code: Terraform, AWS CloudFormation

Containerization & Monitoring: Kubernetes, Docker, Prometheus, Grafana, Node Exporter, Alertmanager, Nginx

Miscellaneous: Postman, RestAPI, MySQL, PostgreSQL, GitOps (ArgoCD - Basics), OOP

Methodologies: Agile & Waterfall model, Scrum, Jira/Confluence, SDLC, STLC, Test Case Generation

Certifications

- AWS Cloud Practitioner (Amazon Web Services)
- Azure Developer Associate (Microsoft)
- GitHub Foundations (GitHub)

July 2025

May 2025

February 2025