

AYUSH CHATURVEDI

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Career Objective

DevOps Engineer with 3 years of experience in cloud automation, CI/CD pipelines, and infrastructure management. Skilled in cloud-native systems, monitoring/observability, and secure DevOps practices. Experienced in managing AI/ML workloads and scalable GPU/accelerator deployments, with a proven track record of improving system reliability and performance across high-impact projects.

Technical Skills

- AWS, Azure, Jenkins, Ansible, Kubernetes, Docker, Maven, JFrog, Terraform, Python, AI Infrastructure Management
- Prometheus, Grafana, Istio, New Relic
- Linux (File/User Management, Networking, Disk Management, Patching, Admin Tasks)
- Automation, Production Support, RCA, On-call Activities

Education

Nowgong Engineering College

Bachelor of Technology in Mechanical Engg. (CGPA: 7.22 / 10.00)

2018 - 2022

Chhatarpur, M.P.

Professional Experience

WebMobTech Solution Pvt. Ltd.

DevOps / SRE Engineer

November 2023 – Present

Ahmedabad, Gujarat

- Built and optimized scalable **CI/CD pipelines** using Jenkins, GitLab CI, and CircleCI, improving deployment speed by **40%**.
- Managed cloud infrastructure on **GCP/AWS/Azure** and automated provisioning using **Terraform** and Ansible, reducing manual efforts by **70%**.
- Integrated **Prometheus, Grafana, and New Relic** for monitoring and alerting, reducing production incidents by **30–50%**.
- Strengthened platform reliability through **secure DevOps practices**, centralized secrets management, and vulnerability scanning.
- Led production incident response, ensuring **99% uptime** and quick issue resolution across engineering teams.
- Managed **AI/ML infrastructure** with scalable GPU/TPU utilization for training and inference workloads.
- Built automated **ML model deployment pipelines** with Docker, Kubernetes, and CI/CD, improving rollout efficiency by **35%**.
- Automated provisioning of **GPU-enabled instances** using IaC, reducing setup time by **60%**.

AG Technologies Pvt. Ltd.

Associate Cloud Engineer

November 2022 – July 2023

Mumbai, Maharashtra

- Designed and implemented **AWS-based cloud solutions** focusing on scalability, performance, cost optimization, and DevOps best practices.
- Managed and troubleshooted **Kubernetes (EKS) clusters**, maintaining manifests and **Helm charts** across multiple environments.
- Ensured reliable and traceable production changes and contributed to building **self-healing infrastructure components**.
- Developed automation tools using **Python and Bash** to eliminate manual tasks and improve operational efficiency.
- Conducted research-driven analysis on **user engagement for video game dungeon generation techniques**.

Key Projects

Museum Vision – GPU Infrastructure

- Deployed a **40-GPU HPC server** with Docker-based dev/stage/prod pipelines for semantic search workloads.
- Optimized GPU scheduling, orchestration, and container lifecycle, ensuring **high availability** and low-latency inference.

IoT Water Leak Sensor – AWS Cloud Integration

- Built end-to-end IoT pipeline with **AWS IoT Core, Lambda, SQL, and IoT rules** for real-time water leak monitoring.
- Implemented **serverless data processing** and **Grafana dashboards** for reliable storage and visualization of leak levels, temperature, and sensor metrics.

Loan Admin Planner – Serverless Workflow Automation

- Built serverless backend with **AWS Lambda, S3, SNS** and automated **CI/CD pipelines**, improving scalability and operational visibility.
- Optimized compute usage to reduce costs while improving system performance.

E-commerce Platform Deployment & Operations

- Deployed and maintained high-traffic e-commerce platform on **AWS EC2** with 24×7 availability and **99.9% uptime** for 2,000+ concurrent users.
- Managed end-to-end **CI/CD pipeline** and implemented monitoring, alerting, and incident response for operational stability.