

GAURAV SHARMA

Software Engineer · DevOps & Cloud Engineer

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PROFESSIONAL SUMMARY

Software Engineer with a strong development background, actively transitioning into **DevOps & Cloud Engineering**. Has hands-on experience building **end-to-end CI/CD pipelines, containerized deployments, and Linux server infrastructure** — including real production systems with custom domains, SSL, Nginx reverse proxy, and cross-cloud automation. Proficient in **Jenkins, Docker, GitHub Actions, Azure VM, and AWS EC2**. Currently advancing toward AZ-104 certification and deepening expertise in Kubernetes, Terraform, and monitoring tools.

KEY DEVOPS ACHIEVEMENTS

- **Automated cross-cloud deployment pipeline** — Jenkins on AWS EC2 deploying automatically to Azure VM via SSH on every GitHub push.
- **Managed Linux-based cloud servers** on Azure and AWS, including Nginx configuration, SSL setup, and process/service management.
- **Containerized multiple production applications** (Node.js, ASP.NET) using Docker and Docker Compose across cloud and VPS environments.
- **Configured reverse proxy, custom domain routing, and SSL certificates** (Certbot) for 3 live production domains.
- **Reduced manual deployment effort** across projects through CI/CD automation using Jenkins (Groovy) and GitHub Actions.

TECHNICAL SKILLS

Domain	Tools & Technologies
CI/CD & Automation	Jenkins (Declarative Groovy), GitHub Actions, Webhooks, Docker Hub
Cloud & Infrastructure	Azure VM, AWS EC2, Cross-cloud SSH, DNS & Networking, Security Groups
Containerization	Docker, Docker Compose, Image Builds, Container Lifecycle Management
Linux & Server Admin	Ubuntu/Linux, SSH, systemctl, Process Management, Shell Scripting (Bash)
Web & Reverse Proxy	Nginx (Reverse Proxy & Config), Apache, SSL via Certbot, Custom Domains
Version Control	Git, GitHub, Branching, Pull Requests, Webhook-triggered Pipelines
Learning / In Progress	Kubernetes, Terraform, Prometheus, Grafana, AZ-104 (Azure Administrator)
Programming	JavaScript, Node.js, PHP, Laravel, React, Bash, ASP.NET

PROFESSIONAL EXPERIENCE

Software Engineer — OTS Solutions

Aug 2025 – Present

Gurugram, Haryana, India · Hybrid

- **Contributed to development and deployment** of a cloud-native Construction Management platform for an Australian client using MERN stack & Laravel.
- **Worked on CI/CD automation and deployment workflows** across Azure and AWS cloud environments using Docker, Jenkins, and GitHub Actions.
- Worked with **Grafana dashboards** for deployment monitoring and visualization of system health.

- Led engineering for worker and equipment tracking modules, collaborating directly with client stakeholders.

Backend Developer II — Z1 Tech

Apr 2025 – Jul 2025

Gurugram, Haryana, India · On-site

- Developed a high-performance AdTech Management Platform integrating 5+ Ad APIs (Google, Facebook, TikTok).
- Utilized ClickHouse and Redis for real-time data analytics and campaign reporting at scale.

Full Stack Developer — Aleai Digital X

Mar 2023 – Nov 2023

Toronto, Canada · Remote

- Managed Linux-based deployment environments for production web applications hosted on cloud servers.
- Automated deployment-related processes and configurations, reducing manual release effort.
- Maintained scalable backend systems and optimized server configurations for performance.

Sr. PHP Developer — Genified Brand Protection Solutions

Jun 2022 – Nov 2022

New Delhi, India · On-site

- Led backend systems and deployment coordination for QR-based reward platforms.
- Ensured stable production releases through stakeholder coordination and active troubleshooting.

DEVOPS PROJECTS

Cross-Cloud CI/CD Pipeline — Jenkins (AWS) → Azure VM [↗ Live](#) [↖ GitHub](#)

Stack: Node.js · Express · React (Vite) · Docker · Jenkins · Groovy · Nginx · Certbot · Azure VM · AWS EC2

- Built complete production infrastructure from scratch: Node/Express API + React Vite frontend, pushed to GitHub with webhook-triggered Jenkins pipeline.
- Jenkins hosted on AWS EC2; configured cross-cloud SSH connection to deploy automatically onto a separate Azure VM on every code push.
- Declarative Groovy pipeline builds a Docker image for the Node API, pushes it, and runs the container on the Azure VM — zero manual steps.
- Configured Ubuntu Linux server: Nginx reverse proxy, custom domain (dev.weather.fantasyinfo.cloud), and SSL via Certbot.

ASP.NET Containerization with Docker Compose on VPS [↗ Live](#) [↖ GitHub](#)

Stack: ASP.NET · Docker · Docker Compose · Hostinger VPS · Nginx · Ubuntu Linux

- Containerized an ASP.NET application using Docker and Docker Compose — demonstrating containerization capability beyond the Node.js ecosystem.
- Deployed and managed on Hostinger VPS with Nginx reverse proxy, custom domain configuration, and container lifecycle management.
- Configured the Linux server environment including firewall rules, service management, and deployment scripts.

MERN Stack Production Deployment with GitHub Actions [↗ Live](#) [↖ GitHub](#)

Stack: MongoDB · Express · React · Node.js · GitHub Actions · Nginx · PM2 · Ubuntu Linux

- Deployed full MERN stack application to production using GitHub Actions for automated CI/CD triggered on every push to main branch.
- Configured Nginx as reverse proxy and PM2 for Node.js process management, ensuring reliable uptime and zero-downtime deployments.
- Set up custom domain routing, environment variables, and production-grade Nginx config on Ubuntu Linux server.

CERTIFICATIONS & CONTINUOUS LEARNING

- AZ-104 Microsoft Azure Administrator — Certification in progress
- Kubernetes — Practicing pod deployments, services, and cluster management
- Terraform — Learning infrastructure-as-code for automated cloud provisioning
- Prometheus & Grafana — Building monitoring and alerting stacks for observability