

Shivam Sharma

+918168048699 | sharma.shiv8535@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

Summary

DevOps Engineer with hands-on experience in AWS, CI/CD automation, and containerized deployments, managing multiple production applications across VPS and cloud environments. Skilled in building and optimizing Jenkins pipelines, Docker-based architectures, and Nginx reverse proxy configurations to ensure secure, scalable, and reliable systems. Experienced in infrastructure troubleshooting, cost optimization, and system reliability, with a strong foundation in Linux administration, networking, and automation.

Skills

- **Cloud Platforms:** AWS (EC2, IAM, S3), Cloud Security
- **Version Control:** Git, GitHub
- **Programming and Scripting:** Python, Shell Scripting, SQL
- **DevOps Tools:** Jenkins, Docker, Nginx, Terraform
- **Operating Systems:** Linux (Ubuntu, Debian)

Work Experience

Arekiv Global Research Platform Pvt Ltd.

Mar 2026 - Present

DevOps Engineer

Remote

- Designed and managed CI/CD pipelines using Jenkins, automating deployment of 8+ Dockerized applications across VPS and cloud environments, reducing manual effort by ~50%.
- Administered infrastructure on Amazon Web Services (EC2, Lambda, EventBridge) and VPS platforms, optimizing resource utilization and reducing operational costs by ~70%.
- Configured Nginx reverse proxy with SSL/TLS to securely host multiple applications on a single VPS, improving resource utilization and cost optimization by 20%.
- Troubleshoot critical AWS infrastructure issues including SSH access failures and network misconfigurations, performing EBS-based recovery and AMI cloning to restore and replicate EC2 instances, improving system recovery efficiently.

Skillquest Learnings

May 2025 - Dec 2025

DevOps Engineer

Remote

- Architected and managed secure VPN infrastructure using WireGuard for remote access control, reducing unauthorized logins by 40 percent.
- Designed and deployed Dockerized frontend and Flask backend with Nginx reverse proxy, achieving high availability and scalability.
- Built CI/CD pipelines using Jenkins to automate testing and deployments, reducing release time by 60 percent.
- Implemented Fail2ban and firewall scripts to block brute-force and DDoS attacks, improving overall system security.
- Automated infrastructure monitoring and log management with Bash and Python scripts, enhancing visibility and operational efficiency.

Projects

InfraGuard-Cloud Scanner | <https://infraguard.me/>

Jun 2025 - Dec 2025

- Developed and deployed a full-stack cloud vulnerability scanning platform for AWS infrastructures using Python (Flask) for backend and HTML/CSS/JS for the frontend, hosted on Render and Vercel respectively.
- Performed vulnerability scans on EC2, S3, and IAM using AWS SDK (boto3), with dynamic result dashboards.
- Utilized AWS SDK (boto3) to perform automated EC2, IAM, and S3 security checks and generate detailed cloud security reports.
- Achieved production-level deployment with proper CORS, session handling, and async job polling for smooth UX.

Education

JIMS Engineering Management Technical Campus (JEMTEC)

Sep 2022 - Sep 2026

B.Tech, Computer Science & Engineering (GPA: 8.0)

Greater Noida

Certifications

Internshala Trainings | *Web Development*

- Completed 8-week certified training covering HTML, CSS, Bootstrap, DBMS, PHP, JavaScript and React.
- Built a final project applying web development concepts.
- Scored 64% in the final assessment.

Achievements

- **2nd Runner-Up – DSA Hackathon:** Solved complex algorithmic problems under time constraints, recognized for coding efficiency and teamwork.