

Rohit Shrivastava

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SUMMARY

Software engineer with a strong foundation in Java and data structures, backed by practical projects. Driven to build reliable systems and perform well in technical interviews. My passion lies in DevOps technology and I strive to enhance systems and processes through innovative solutions using Cloud Technologies.

PROJECTS

Scalable Three-Tier Web Architecture (AWS, Docker, Nginx, MySQL)

- Architected and deployed a highly available three-tier application (Nginx, Node.js, MySQL) on AWS, improving system scalability.
 - Containerized services using Docker, reducing environment-related deployment issues by ~40%.
 - Optimized Nginx reverse proxy configuration, decreasing request latency by ~25% and improving throughput under load.
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Containerized Flask Microservice (Python, Flask, Docker)

- Designed and containerized a RESTful Flask microservice to enable consistent deployments across multiple Linux environments.
 - Reduced application setup and deployment time from ~30 minutes to under 5 minutes using Docker images.
 - Implemented structured API responses and logging to enhance observability and debugging efficiency.
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CI/CD Pipeline with Automated Deployment (Jenkins, AWS EC2, Node.js)

- Designed and implemented a Jenkins-based CI/CD pipeline automating build, test, and deployment stages for Node.js applications.
- Reduced deployment time from ~15 minutes to under 2 minutes with fully automated pipelines.
- Enabled continuous delivery to AWS EC2 instances on every successful commit, improving release frequency by 3x.

SKILLS

Jenkins	CSS	HTML	Javascript	postgresql	Python	Linux	Node.js	UI/UX	Github Actions
AWS Services	Go	Reactjs	Docker	Kubernetes Cluster Creation/Management & Manifests					

KEY ACHIEVEMENTS

AWS Certified Solutions Architect – Associate

CKA – Certified Kubernetes Administrator

EDUCATION

2022 - 2026	Bachelor's Degree at Barkatullah University (BUI)	(GPA: 7.67/10)
2022	Class 12th at International Public School	(GPA: 7.2/10)
2020	Class 10th at International Public School	(GPA: 8.2/10)