

# TUSHAR RATHORE

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## SUMMARY

AWS-certified Cloud Engineer with 2+ years of experience in infrastructure automation, cloud architecture, and DevOps practices. Expertise in Terraform, Kubernetes, and AWS services with proven track record of optimizing TCO through strategic infrastructure deployment. Skilled in Agile methodologies, CI/CD pipelines, and blue/green deployment strategies for zero-downtime releases.

## TECHNICAL SKILLS

**Cloud Platforms:** Amazon Web Services (AWS) - EC2, S3, VPC, Lambda, RDS, IAM, CloudFormation, ECS

**Infrastructure as Code:** Terraform, AWS CloudFormation

**Container Technologies:** Kubernetes, Docker, Amazon ECS

**DevOps & CI/CD:** Jenkins, Git, GitHub Actions, Blue/Green Deployment, Canary Deployments

**Programming Languages:** Python, C, C++, Bash/Shell Scripting

**Databases:** MongoDB, MySQL, PostgreSQL, Amazon RDS

**Monitoring & Logging:** CloudWatch, Prometheus, Grafana

**Methodologies:** Agile, Scrum, DevOps, Site Reliability Engineering (SRE)

**Other Technologies:** WordPress, Arduino, Data Streaming, RAG Applications

## PROFESSIONAL EXPERIENCE

### Cloud Engineer

April 2024 – Present

*CSK Information Technology Pvt Ltd*

*Noida, Uttar Pradesh, India*

- Architected and deployed scalable AWS infrastructure using Terraform, reducing Total Cost of Ownership (TCO) by 30% through resource optimization and right-sizing strategies
- Implemented Kubernetes clusters for container orchestration, enabling auto-scaling capabilities that improved application performance by 40% during peak loads
- Executed blue/green deployment strategies across production environments, achieving 99.9% uptime and zero-downtime application updates for critical business services
- Led Agile/Scrum ceremonies for infrastructure team, improving sprint velocity by 25% and delivering projects 15% faster than baseline estimates
- Automated infrastructure provisioning workflows using Terraform modules, reducing deployment time from hours to minutes and minimizing human error
- Collaborated with development teams to design CI/CD pipelines, accelerating release cycles and enabling 3x more frequent deployments
- Implemented monitoring and alerting solutions using CloudWatch and custom scripts, reducing mean time to detection (MTTD) for incidents by 50%

### AWS re/Start Program Graduate

October 2023 – March 2024

*Amazon Web Services (AWS)*

*India*

- Completed intensive 12-week AWS training program covering cloud fundamentals, architecture best practices, and hands-on labs
- Developed proficiency in core AWS services including EC2, S3, VPC, RDS, Lambda, and IAM through real-world scenario-based projects
- Built and deployed full-stack applications on AWS infrastructure, demonstrating end-to-end cloud solution design capabilities
- Earned AWS Cloud Practitioner certification, validating foundational cloud knowledge and AWS service understanding

## EDUCATION

### Bachelor of Technology in Electrical, Electronics & Communications Engineering

Government Engineering College, Ajmer

2019 – 2023

## CERTIFICATIONS

AWS Certified Cloud Practitioner | Data Streaming Engineer | Building RAG Apps Using MongoDB | Programming with C and C++ | Interfacing with Arduino

## PROJECTS & ACHIEVEMENTS

- **Multi-Region AWS Infrastructure:** Designed and deployed fault-tolerant, multi-region infrastructure using Terraform, implementing disaster recovery strategies with automated failover capabilities
- **Kubernetes Migration:** Led containerization initiative migrating legacy applications to Kubernetes, improving resource utilization by 45% and reducing infrastructure costs
- **MongoDB RAG Application:** Built Retrieval-Augmented Generation (RAG) application using MongoDB vector search capabilities for intelligent document querying and retrieval