

Rishi Majmudar

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Professional Summary

Results-driven Cloud and DevOps Engineer with a Master of Engineering in Software Engineering. Certified AWS Solutions Architect and CKA with a track record of reducing infrastructure costs by 30% through automated IaC. Expert in Kubernetes (EKS), Terraform, and CI/CD pipelines, specializing in building secure, high-availability cloud environments and scalable microservices.

Education

Carleton University <i>Master of Engineering in Software Engineering</i>	Ottawa, Canada 2023 – 2025
Gujarat Technological University <i>Bachelor of Engineering in Computer Science</i>	Gujarat, India 2019 – 2023

Projects

AI Document Parser AWS, Bedrock, Lambda, DynamoDB	GitHub Demo
<ul style="list-style-type: none">Built a serverless AI application using AWS Bedrock for intelligent document analysis.Implemented secure user authentication with AWS Cognito and IAM least-privilege roles.Reduced document processing turnaround time by 60% through asynchronous Lambda executions.Integrated Amazon SQS and SNS for event-driven processing and decoupled notifications, improving system scalability and reliability.	
Three-Tier Architecture Terraform, EC2 ASG, ALB, Multi-AZ	GitHub Code
<ul style="list-style-type: none">Provisioned highly available infrastructure using Terraform (IaC) with automated GitHub Actions.Designed a secure networking layer with public/private subnets and Multi-AZ RDS failover.Achieved 99.99% infrastructure availability and reduced manual provisioning time by 85%.	
Microservices Booking App Amazon EKS, Kubernetes, Docker, HPA	GitHub Code
<ul style="list-style-type: none">Containerized microservices using Docker and orchestrated deployment on Amazon EKS.Configured Horizontal Pod Autoscaling (HPA) to manage traffic spikes effectively.Improved resource utilization by 40% using optimized Docker multi-stage builds and EKS node groups.	
Cloud Portfolio S3, CloudFront, AWS WAF, Terraform	GitHub Demo
<ul style="list-style-type: none">Hosted a secure personal portfolio using S3 and CloudFront with custom domain and SSL.Integrated AWS WAF to mitigate OWASP Top 10 vulnerabilities and automated CI/CD deployments.Enhanced global content delivery by 50% using CloudFront Edge locations and caching.	

Professional Experience

Lecturer <i>KPGU University</i>	Vadodara, India 5 months
<ul style="list-style-type: none">Delivered technical lectures on AWS cloud concepts and networking to 150+ undergraduate students.Conducted hands-on laboratory sessions focusing on EC2, S3, and VPC architectural best practices.Mentored 50+ students on project deployment, resulting in a 25% increase in successful cloud certifications.	
Web Developer Intern <i>Royalsoft Solutions</i>	Vadodara, India 4 Months
<ul style="list-style-type: none">Developed responsive web interfaces and robust backend APIs using Node.js and Express.js.Optimized RESTful API endpoints, reducing server response time by 30% and improving user retention.Assisted in debugging production issues, resolving 20+ critical bugs to ensure 98% application uptime.	

Technical Skills

Cloud (AWS): EC2, S3, Lambda, API Gateway, RDS, CloudFront, IAM, WAF, CloudWatch, VPC, Route53
DevOps & Infra: Terraform, Kubernetes (EKS), Docker, GitHub Actions, CI/CD, IaC, Git
Development: Node.js, Express.js, REST APIs, React, JavaScript, HTML5, CSS3, MongoDB, Python

Certifications

AWS Certified Solutions Architect – Associate | [Credential](#)
Certified Kubernetes Administrator (CKA) | [Credential](#)
HashiCorp Terraform – Infrastructure as Code | [Credential](#)