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 — Ottawa, Canada
Master of Engineering in Software Engineering — 2023 – 2025

Gujarat Technological University — Gujarat, India
Bachelor of Engineering in Computer Science — 2019 – 2023

Projects

AI Document Parser | *AWS, Bedrock, Lambda, DynamoDB* — [GitHub](#) | [Demo](#)
- 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.

Three-Tier Architecture | *Terraform, EC2 ASG, ALB, Multi-AZ* — [GitHub](#) | [Demo](#)
- 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](#)
- 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](#)
- 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 speed by 50% using CloudFront Edge locations and caching.

Professional Experience

Lecturer — Vadodara, India
KPGU University — 5 months
- 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 — Vadodara, India
Royalsoft Solutions — 4 Months
- 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

Certifications

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