# Rishi Majmudar

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## Professional Summary

AWS Certified Cloud Engineer pursuing a Master of Engineering in Software Engineering with hands-on experience designing secure, scalable, and highly available cloud architectures on AWS. Skilled in Infrastructure as Code (Terraform), Amazon EKS, serverless computing, CI/CD automation, and cloud security best practices. Built production-style three-tier, microservices, and event-driven systems with a focus on reliability, performance, and cost optimization. Actively seeking entry-level AWS Cloud Engineer opportunities in Canada.

## 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, S3, DynamoDB, SQS, SNS, Cognito)* — [GitHub](#) | [Demo](#)
- Designed and deployed a fully serverless, event-driven document processing architecture on AWS.
- Integrated AWS Bedrock with asynchronous Lambda execution and SQS-based decoupling.
- Implemented IAM least-privilege policies and Cognito authentication for secure access control.
- Reduced processing time by 60% through parallel execution and optimized event workflows.

**AWS Three-Tier Architecture** | *Terraform, EC2, ASG, ALB, RDS, VPC* — [GitHub](#)
- Provisioned highly available Multi-AZ infrastructure using Terraform (IaC).
- Designed secure VPC with public/private subnets, NAT Gateway, and RDS failover.
- Automated infrastructure deployment using GitHub Actions, reducing provisioning time by 85%.

**Microservices Deployment on Amazon EKS** | *EKS, Docker, HPA, IAM* — [GitHub](#)
- Containerized applications with Docker and deployed to Amazon EKS with managed node groups.
- Configured Horizontal Pod Autoscaling (HPA) for dynamic traffic scaling and cost efficiency.
- Applied IAM roles and Kubernetes RBAC for secure service communication.

## Professional Experience

**Cloud & Networking Lecturer** — Vadodara, India
*KPGU University* — *Aug 2023 – Dec 2023*
- Delivered AWS cloud and networking lectures to 150+ students covering EC2, S3, and VPC design.
- Conducted hands-on labs focused on high availability and security best practices.
- Mentored 50+ students on cloud deployments, improving certification success rate by 25%.

**Full Stack Web Developer Intern** — Vadodara, India
*Royalsoft Solutions* — *Jan 2023 – Apr 2023*
- Developed backend APIs using Node.js and Express.js for production web applications.
- Optimized REST endpoints reducing server response time by 30%.
- Resolved 20+ production issues ensuring 98% application uptime.

## Technical Skills

**Cloud (AWS & Security):** EC2, VPC, IAM, S3, RDS, Lambda, API Gateway, CloudFront, Route53, WAF, CloudWatch, Auto Scaling, EKS
**Infrastructure & Containers:** Terraform (IaC), Docker, Kubernetes, Amazon EKS, HPA, RBAC
**CI/CD & Automation:** GitHub Actions, Pipeline Automation, Infrastructure Deployment
**Programming:** Python, Node.js, REST APIs, JavaScript

## Certifications

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