

Aman Kumar

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PROFILE

Cloud and Next.js Developer specializing in serverless architectures and full-stack applications. AWS Certified Solutions Architect Associate with hands-on experience in Lambda, DynamoDB, and automated CI/CD pipelines.

TECHNICAL SKILLS

Cloud: AWS (EC2, Lambda, S3, IAM, DynamoDB, VPC, CloudWatch, Security Groups)
DevOps: Docker, GitHub Actions, Jenkins, Nginx, Linux Administration
Languages: JavaScript, TypeScript, Python, Bash
Databases: MongoDB, PostgreSQL, DynamoDB, NoSQL
Core Competencies: REST API Development, Monitoring & Logging, IAM & Security Policies, GenAI Integration

EXPERIENCE

Technosys IT Management Private Limited Feb 2025 – Aug 2025

Cloud & Full Stack Engineering Intern

Remote

- Led migration of a client web application to **AWS**, provisioning **EC2**, configuring **Route 53 DNS**, and securing infrastructure using IAM roles and Security Groups.
- Deployed scalable backend services on EC2 with Nginx and implemented monitoring using **CloudWatch**, improving uptime by 15%.
- Built and optimized REST APIs (Node.js + Express) and improved load time by 25% through caching and modular architecture.
- Wrote **unit, integration, and end-to-end tests using Jest**, ensuring production stability and reducing post-deployment bugs.
- Implemented CI/CD workflows using GitHub Actions and Docker for streamlined deployments and version-controlled releases.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (SAA-C03) Feb 2026

CODEATHON – 3rd Place Winner | JSSATE, Bengaluru Mar 2023

PROJECTS

Serverless Notification System | AWS Lambda, Step Functions, SES, SNS, API Gateway Jan 2026

Cloud Engineer

- Architected a fully serverless notification workflow using **AWS Step Functions** to orchestrate Email and SMS delivery pipelines.
- Integrated **Amazon SES and SNS** for reliable message delivery and exposed secure REST endpoints using **API Gateway**.
- Designed event-driven Lambda functions in Python with IAM-based least privilege access control.

AI-Powered Alexa Assistant | AWS Lambda, DynamoDB, Node.js, CloudWatch Dec 2025

Cloud & Backend Engineer

- Built a serverless Alexa Skill using **AWS Lambda**, integrating OpenAI APIs for real-time conversational AI responses.
- Implemented **DynamoDB** for session persistence and secured secrets using **AWS Systems Manager Parameter Store**.
- Optimized Lambda memory configuration, reducing cold-start latency by 25% while maintaining cost efficiency.

URL-Shortener (AWS Serverless) | Next.js, AWS Lambda, DynamoDB, API Gateway Feb 2026

Full Stack Developer

- Architected a serverless URL shortening service using **Next.js** and **AWS Lambda**, utilizing **API Gateway** to handle high-concurrency traffic with auto-scaling capabilities.

EDUCATION

JSS Academy of Technical Education

Bachelor of Engineering in Computer Science

Bangalore, KA

2021 – 2025