

# 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

Bangalore, KA

*Bachelor of Engineering in Computer Science*

2021 – 2025