

# Aman Kumar



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## PROFILE

AWS Certified Solutions Architect with hands-on experience building cloud-native backends, RAG AI pipelines, and full-stack applications in production. For more details, visit [amankeshri.com](https://amankeshri.com)

## EXPERIENCE

### Shiv Cement Store

Aug 2025 – Feb 2026

*Contract Backend & AWS Cloud Engineer*

*Patna, Bihar*

- Designed and deployed a full-stack business platform for one of Bihar's best-selling cement sellers, serving product catalogue, quotations, and staff management across web and mobile.
- Built and deployed a **Node.js + Express** REST API on **AWS Elastic Beanstalk** with **AWS S3** (ap-south-1) for product image storage using IAM-scoped presigned URLs — zero binary data handled by the server.
- Integrated **OpenAI GPT-4o** with **Amazon OpenSearch Service** (vector RAG pipeline) and **Amazon ElastiCache (Redis)** for query caching, reducing repetitive LLM API calls by 60% for FAQ-type queries.
- Engineered a tamper-proof attendance system combining GPS geofencing (Haversine), rotating **QR tokens**, and **JWT** role-based auth — eliminating proxy attendance entirely.
- Delivered three production-grade products: a **Next.js 14** customer website (Vercel), an **Expo React Native** admin APK, and the backend API — all within contract timeline.

### 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.
- Implemented CI/CD workflows using GitHub Actions and Docker for streamlined deployments and version-controlled releases.

## TECHNICAL SKILLS

**Cloud:** AWS (EC2, Lambda, S3, IAM, DynamoDB, VPC, CloudWatch, Elastic Beanstalk, ElastiCache, OpenSearch, Security Groups)

**DevOps:** Docker, GitHub Actions, Jenkins, Nginx, Linux Administration

**Languages:** JavaScript, TypeScript, Python, Bash

**Databases:** MongoDB, PostgreSQL, DynamoDB, Redis

**Frameworks:** Node.js, Express.js, Next.js, React Native (Expo), REST API Design

## CERTIFICATIONS

**AWS Certified Solutions Architect – Associate (SAA-C03)**

*Feb 2026*

**CODEATHON – 3rd Place Winner** | JSSATE, Bengaluru

*Mar 2023*

## PROJECTS

### 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**.

## EDUCATION

**JSS Academy of Technical Education**

Bangalore, KA

*Bachelor of Engineering in Computer Science*

*2021 – 2025*