

Alisha

Software Engineer

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Portfolio | LinkedIn | GitHub

PROFESSIONAL SUMMARY

Software Engineer with hands-on experience in building, debugging, and deploying production web applications and backend systems. Experienced in REST API development, database design, containerized deployments, and cloud infrastructure using React, Next.js, Node.js, MongoDB, Docker, and AWS, with exposure to Linux-based server configuration and production troubleshooting.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Python, C++

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, MySQL, SQL, PostgreSQL

Tools & Platforms: Git, GitHub, Docker, AWS, Linux, Postman, VS Code, MongoDB Compass, Vercel, Figma

AI Productivity Tools: ChatGPT, Claude, GitHub Copilot, Gemini, Stitch AI

EXPERIENCE

Full Stack Developer

Oct 2025 – Jul 2026

EMPLE

Tech Stack: Next.js, React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Docker, AWS (ECS, ECR, EC2, Amplify), Judge0, Redis, PostgreSQL

- Engineered a reusable Question Bank Management System supporting centralized question pools for quizzes and assessments.
- Built an end-to-end Quiz & Test Management Platform for administrators and users, including secure assessment workflows and anti-cheating functionality.
- Integrated **Judge0** into the Test Management System to support automated execution and evaluation of coding-question submissions.
- Provisioned and configured an **AWS EC2 instance for Judge0**, setting up required **Redis and PostgreSQL services** and configuring the execution environment through Linux/server commands.
- Developed **20+ REST API endpoints** supporting authentication, quizzes, tests, coding questions, and content management.
- Architected MongoDB schemas across **15+ collections**, improving data organization and maintainability.
- Diagnosed and resolved **50+ production issues** across frontend and backend systems involving APIs, CORS, environment configuration, deployment, and application logic.
- Collaborated with developers in an **early-stage startup** environment to improve project structure, code quality, debugging, and feature delivery.
- Containerized and deployed backend services on **AWS ECS** using Docker and **Amazon ECR**, managing image builds, registry pushes, and rolling service deployments.
- Deployed frontend applications through **AWS Amplify** and managed production deployment workflows.

EDUCATION

UPES Dehradun, India

2024 – 2028

Bachelor of Technology (B.Tech.) in Computer Science & Engineering

CGPA: 8.74/10

PROJECTS

Sentinel AI – Fraud Detection System (Hackathon Project)

GitHub

Tech Stack: Next.js, React, FastAPI, PostgreSQL, JWT, REST APIs

- Developing responsive User and Admin dashboards for an AI-powered fraud detection platform.
- Integrating frontend components with FastAPI REST APIs.
- Implementing JWT-based authentication and role-based authorization.
- Collaborating on real-time transaction risk-analysis and fraud-detection workflows.

ACHIEVEMENTS

- Adobe University Hackathon 2026** – Advanced to the **Live Proctored Case Study Round** focused on brand visibility and strategic problem-solving.