Mohammad Shahanwaz

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EDUCATION

National Institute of Technology, Delhi   Delhi, India
B.Tech. in Computer Science and Engineering   *Aug 2019 – May 2023*

EXPERIENCE

Bosscoder Academy   Noida, UP
Lead Software Engineer   *Apr 2025 – Present*

- Orchestrated infra modernization by shifting GitLab runners from AWS EC2 to **GCE instances** using **Terraform**, optimizing CI/CD across multiple services.
- Migrated backend services (**Node.js + Flask**) from App Engine to **Cloud Run** with Docker-based deploys via GitLab pipelines and Artifact Registry.
- Streamlined feature testing using structured Git workflows (feature → staging → main), enabling reliable and controlled deployments.
- Maintained a containerized architecture of **1 frontend (React)** and **2 backend services**, ensuring seamless updates across user and admin-facing platforms.
- Led a **20–25** member team, overseeing development, reviews, and cross-functional collaboration for platform evolution.

Software Engineer   *July 2023 – Mar 2025*

- Engineered and scaled an education platform with more than **10,000 DAU**, supporting interactive learning, assessments, and mentorship systems.
- Built and managed GitLab CI/CD pipeline on AWS EC2, enabling automated deployments across distributed services behind a load balancer.
- Automated ingestion and adaptive streaming of video content via Transcoder API and **GCS**, improving accessibility and performance.
- Integrated **Judge0 via RapidAPI subscription** for real-time coding environments, replacing self-hosted setup to improve reliability and reduce infrastructure overhead.
- Automated scheduled workflows using cloud functions and cron jobs, increasing operational efficiency and reducing manual intervention.

Software Engineer Intern   *Jan 2023 – July 2023*

- Built full-stack modules using **React.js**, **Flask**, and **Node.js**, integrating real-time functionality with Firebase.
- Managed cloud infrastructure across **GCP**, **Azure**, and **AWS** to ensure availability, scalability, and rapid deployments.
- Collaborated across teams to implement key features and meet critical release milestones.

PROJECTS

Imagec App | *Next.js 15, Tailwind, MongoDB, Razorpay, ImageKit.io*   *Jan 2025 – Feb 2025*

- Built a full-stack **image commerce platform** with **Next.js 15** and TypeScript, supporting purchases of digital images across formats and licenses.
- Optimized image handling with **ImageKit.io** for transformations, CDN delivery, and cloud storage integration.
- Developed responsive, lazy-loaded galleries using **Tailwind UI**, with dynamic aspect ratio support.
- Integrated **Razorpay** for payments and **NextAuth** for secure authentication and session management.
- Automated post-purchase workflows with email confirmations via **Mailtrap SMTP**.

TECHNICAL SKILLS & INTERESTS

Languages: C/C++, Python, JavaScript, SQL, TypeScript, HTML/CSS
Frameworks & Libraries: React, Next.js, Node.js, Express, Flask, Redux, Tailwind, Radix UI, Shadcn UI
Tools & Platforms: Docker, Git, Bash, Vim, VSCode, Zed, Postman, Figma, Linux
Cloud & Infrastructure: Terraform, AWS, GCP
Databases: MongoDB, PostgreSQL, MySQL, Firestore, SQLite
Interests: Competitive Programming, Fitness, Reading