Muhammad Saim

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Summary_

Full-stack developer experienced in building and deploying web applications with React, Next.js, Node.js, and MongoDB, with hands-on experience in Redis-based job queues, GenAI APIs, and cloud deployment.

Technical Skills_

- Frontend: React, Next.js, Redux, Tailwind CSS
- Backend: Node.js, Express, REST APIs
- Database: MongoDB, Redis
- DevOps: Docker, AWS, Nginx, GitHub Actions, Linux, Vercel, Railway
- Other: Stripe, Cloudinary, NodeMailer, GraphQL, GenAI APIs, Cron

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Projects_

Learning Management System — Next.js, Node.js, MongoDB, Socket.io, Stripe, Docker, AWS | Github

- Built LMS with **student/admin roles**, course management, purchases, and reviews.
- Added Stripe payments, real-time notifications, and Cloudinary media storage.
- Deployed with **Docker, Nginx, and AWS EC2**.

MERN eCommerce — React, Node.js, Express, MongoDB, Stripe | Live Link | Demo Video | Github

- Built **User/Seller/Admin** role-based eCommerce platform.
- Implemented authentication, orders, reviews, password reset, and Stripe webhooks.
- Deployed frontend on **Vercel** and backend on Railway.

BulkLeet — Node.js, GraphQL, GitHub API | Demo Video

- Built an **automation script** that fetches solved LeetCode problems and uploads them to GitHub with **topic-based organization.**
- Utilized **GraphQL** and **@leetnotion/leetcode-api** to retrieve submissions and topic tags.
- Implemented auto README generation with categorized links and **retry handling** for failed API requests.

Recent Work_

- Deployed a Streamlit application on a **Linux VPS** for a client project and configured scheduled background tasks.
- Built a **Node.js background processing pipeline** using Cron, Redis queues, PostgreSQL, and the DeepSeek API; fetched unprocessed records, queued jobs in **Redis,** processed them sequentially, stored results in **PostgreSQL**, and updated processing status.

Education_

BS Software Engineering — Expected 2027 | Government Postgraduate College, Samanabad, Faisalabad | 7th Semester