MOHAMMED AQEEL AHMED

Hyd Telangana

📞 +91-9515457162 ✉ m.aqeelahmed@outlook.com ⚙ Github

ABOUT ME

MERN Stack Developer experienced in building production-ready applications. Skilled in REST APIs, real-time data handling, and automated testing.

EDUCATION

MLR Institute of Technology, Hyderabad   **2020 – 2023**

*B.Tech - Mechanical Engineering - **CGPA - 8.11***   *Hyd, Telangana*

VNRVJIET, Hyderabad   **2017 – 2020**

Diploma - Mechanical Engineering   *Hyd, Telangana*

PROJECTS

Scalable Task Management API ⧉ | Node.js, Express, TypeScript, MongoDB, Redis, Docker, Jest

- Built containerized RESTful API with TypeScript, implementing Controller-Service architecture and Redis caching to reduce MongoDB query load and improve data retrieval latency.
- Secured application with JWT authentication and enforced type safety using Zod for payload validation.
- Engineered CI/CD pipeline with GitHub Actions achieving **80% code coverage** through Jest integration tests. Orchestrated multi-container setup via Docker Compose.

Uptime Monitor ⧉ | MERN Stack, Socket.io, Node-Cron, JWT

- Built real-time monitoring dashboard tracking website status and response times with automated health checks using Node-Cron and instant Socket.io updates.
- Implemented JWT authentication and bcrypt hashing, enabling users to manage private URL lists and view personalized monitoring data.
- Designed responsive React UI displaying uptime trends, response time analytics, and visual downtime alerts.

100xverifier ⧉ | Next.js, React, Ethers.js, Reclaim Protocol SDK, Zero-Knowledge Proofs

- Built decentralized application for NFT claiming upon course verification using Zero-Knowledge Proofs via Reclaim Protocol SDK, ensuring privacy without accessing personal data.
- Integrated Ethers.js for blockchain interaction and Metamask authentication, enabling seamless NFT claiming on Sepolia testnet.

CI/CD Pipeline Optimization - Open Source ⧉ | GitHub Actions, Nektos Act

- Migrated CI/CD pipeline from GitLab CI to GitHub Actions, automating testing and deployment with local workflow validation via Nektos Act.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Solidity
Technologies/Frameworks: React, Next.js, Node.js, Express.js, MongoDB, PostgreSQL, Redis, Socket.io, Ethers.js, Docker, Jest, GitHub Actions, JWT, Zod

EXTRACURRICULAR

- Volunteered 350 hours with Cognizant Outreach Program, India.