Uzair Khan

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Technical Skills

Languages: TypeScript, JavaScript, Java, Python, SQL
Developer Tools: AWS, Docker, Turborepo, CloudFare, Postman, Git, Github
Technologies/Frameworks: Next.js, React, Express, Node.js, Websockets, WebRTC, Redis, tRPC, GraphQL, MongoDB, PostgreSQL, Prisma, Nginx

Experience

Jethi Tech Solutions — March 2024 – June 2024
Frontend Developer Intern — *Remote*

- Developed responsive UI for five client websites using **React**, applying a component-driven architecture to reduce code redundancy by 35% and accelerate feature delivery by 25%.
- Integrated **Node.js–based RESTful APIs** and validated endpoints with **Postman**, decreasing front-end defect rate by 30% and streamlining bug-fix turnaround by 20%.
- Implemented React performance optimizations (code-splitting, lazy loading), improving initial page load times by 45% and boosting average user session duration by 25%.

Projects

Real-Time Whiteboarding Application | *React, Express, WebSockets, Redis, AWS EC2* — **January 2025**

- Developed a collaborative whiteboard platform using React for the UI and Express with **WebSockets** for real-time canvas synchronization, achieving **sub-100ms update latency** across all participants.
- Designed and implemented **Redis Pub/Sub scaling**, supporting up to 10,000 concurrent users across multiple AWS EC2 instances, ensuring 99.9% message delivery reliability and horizontal scalability.
- Deployed and optimized on **AWS EC2**, to handle peak loads—reducing server response times by 30% and maintaining 99.95% uptime—while delivering a modern, responsive interface that boosted user engagement by 40%.

Immersive 2D Metaverse Platform | *WebRTC, Phaser, WebSockets. React, Express* — **March 2025**

- Integrated **Phaser engine** with React & Express to create/join 2D metaverse rooms featuring proximity-based interactions, enabling **WebRTC video chat** with **sub-200 ms latency.**
- Developed a robust Express + WebSockets signaling layer for real-time text communication and peer discovery, reducing connection setup time by 40% and ensuring **reliable bi-directional messaging**.
- Supported WebRTC call delivery by deploying the application on AWS EC2 behind an Elastic Load Balancer for **high availability**, and optimizing instance sizing to improve resource utilization.

Unified Digital Wallet Exchange Platform | *Next.js, Turborepo, WebHooks, PostgreSQL* — **October 2024**

- Developed a secure digital wallet with **Next.js** & PostgreSQL, enabling **On-Ramp and P2P Transactions** for over 3,000 daily operations at 99.8% uptime, and integrated a **Webhook** listener against a bank API to automate processing—cutting manual reconciliation time by 60% and ensuring 99% transaction accuracy.
- Architected a **Turborepo**, centralizing shared utilities and configurations to streamline dependency management, reduce **CI build times by 40%**, and boost developer productivity by 30%.

Education

Muffakham Jah College Of Engineering and Technology — Nov. 2021 – July 2025
B.Tech in Computer Science and Engineering(Artificial Intelligence and Data Science) **CGPA 8.68/10** *Hyderabad, Telangana*

Leadership Experience

AWS Cloud Club MJCET — September 2024 – Present
Developer Lead

- Led a **6-member developer team** at AWS Cloud Club MJCET (first cloud club in Telangana), deliver 8+ technical events for 200+ students, and design/develop a responsive **React.js & AWS Amplify** website that improved member engagement by 45% and streamlined registrations.
- **Orchestrated technical infrastructure** for Hyderabad's inaugural 24-hour hackathon, managing **cloud resources** across 60+ teams, troubleshooting in real time, and reducing setup time by 60% through automated provisioning.

Certifications

AWS Certified Cloud Practitioner — **Amazon Web Services**
Validation ID: `ff457f9c5b7f4baea5ba11a12685a7a4` — *Feb 2025*

100x Devs Cohort — **Full Stack and Devops**
Nov 2024