

UMAR SAEED CHEEMA

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EXPERIENCE

Freelance Software Engineer

September 2024 - Present

Self-Employed

Remote

- **Fresho:** Developed and launched a user-friendly dairy e-commerce platform with Firebase and Nextjs, improving customer experience and driving a **20%** increase in sales.
- **PAQI Dashboard:** Built a real-time air quality monitoring system with an **ETL** pipeline, boosting data processing efficiency by **40%** and enabling timely insights for stakeholders.

FullStack Software Engineer I

June 2023 - May 2024

DGlobal

Remote, Singapore

- Engineered internal tools for a digital banking application using NestJS and ReactJS, enhancing operational efficiency and streamlining interactions across core banking services.
- Enhanced system reliability during peak loads of **100K+** requests/day by developing a Retry Service with exponential backoff for HTTP and gRPC.
- Reduced message delivery latency by 30% by implementing WebSockets and Pulsar in real-time notifications.
- Strengthened security for **3** user roles by designing a scalable Role-Based Access Control (RBAC) system using NestJS and Keycloak
- Boosted operational efficiency by automating the release process with GitHub Actions, reducing manual intervention by 50%.
- Collaborated with the product team to translate high-fidelity designs from Figma into production-ready interfaces, using Ant Design

Software Engineer

June 2022 - May 2023

 *Open Data Pakistan*

Lahore, Pakistan

- Expanded the HEC-funded Open Data Pakistan platform to support 1,000 datasets (**5x** growth), providing critical resources for 100+ researchers nationwide.
- Reduced manual data entry efforts by **60%** through automated data harvesting pipelines.

PROJECTS

ResolveAI

[Github](#)

- Built a Retrieval-Augmented Generation (RAG) chatbot for customer service, resolving **70%** of user queries autonomously. Integrated vector search and LLMs with Dockerized AWS deployment.

Interview Deck

[Github](#) | [Website](#)

- Developed an AI-powered interview preparation platform, helping 25+ users reduce prep time by **40%** through dynamic flashcards generated with LLama3-8b and Groq APIs.

KonsaCourse

[Github](#)

- Developed a course and professor rating platform for students using MERN, optimized API responses, reducing page load times by **30%**.

TECHNICAL SKILLS

Programming Languages: JavaScript/TypeScript, Python, C++, SQL

Frameworks & Libraries: React.js, Next.js, Node.js, NestJS, Redux, GraphQL, Keycloak, Pulsar, Docker, TypeORM

Databases: PostgreSQL, MongoDB, Firebase, DynamoDB

Cloud & DevOps Tools: AWS (Lambda, DynamoDB, EventBridge, EC2, S3), Vercel, Docker

Testing & Analytics: Jest, React Testing Library, Google Analytics

EDUCATION

Lahore University of Management Sciences (LUMS)

Aug 2019 – May 2023

Bachelor of Science in Computer Science

Lahore, Pakistan

Coursework: Data Structures, Algorithms, Software Engineering, OOP, Databases, HCI, Computer Vision