

UMAR SAEED CHEEMA

Doha, Qatar

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EXPERIENCE

🔗DGlobal — Software Engineer I

June 2023 – May 2024

NestJS, ReactJS, AntDesign, GraphQL, gRPC, Cliclup, Git, Github, Docker, Github Actions, CI/CD, WebSockets, TypeORM *Remote, Singapore*

- Developed internal tools for a digital banking application, utilized by solution architects, customers, and bank staff.
- Engineered a **Retry Service** to handle failing HTTP and gRPC calls, with a maximum of **5 retries**, ensuring reliable communication.
- Built a robust **Notification** System integrating Pulsar with NestJS, using **Websockets** for real-time user notifications.
- Collaborated with the product team on **high-fidelity** designs in Figma, and used **Ant Design** to create visually appealing, intuitive user interfaces.

🔗Open Data Pakistan — Software Engineer

June 2022 – May 2023

CKAN, Python, Jinja2, Flask, Bootstrap, PostgreSQL, AWS EC2, Github

Lahore, Pakistan

- Contributed to the **HEC-funded** Open Data Pakistan project at LUMS, facilitating open data access for researchers and policymakers.
- Integrated **CKEditor** for enhanced blog creation and live infographics.
- Implemented **Harvesting**, an ETL process to share datasets globally with other open data portals.
- Created **extensions** for custom data fields, new themes, data visualizations, and vocabulary tags.

PROJECTS

KonsaCourse | *React, Express, Node, MongoDB, MaterialUI, Tailwind CSS, Git* | [Github](#)

- Developed a **full-stack** instructor and course rating web app using the MERN stack for LUMS students.
- Enabled students to rate professors and courses, visualize results, and assist future students in decision-making.
- Leveraged knowledge in **web development**, front-end using React, Material UI, and Tailwind CSS.

Software House Management System | *React, Express, Node, MySQL, PostgreSQL, Git* | [Github](#)

- Designed and Implemented a **MERN** stack web app for managing software engineers, product managers, and HR.
- Structured the frontend in React and RESTful backend to manage tasks and performance data
- Utilized Node, React, Express, MySQL, Postman, Git, Github Project, and technical documentation.

Sequence Game | *React, WebSockets, Git* | [Github](#)

- Built a four-player multiplayer Sequence board game with React and WebSockets, enabling real-time turn-based play.
- Implemented dynamic board generation and card management, supporting player moves, turn tracking, and game state updates.
- Optimized user experience with real-time updates and accurate game state displays.

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, Go, C/C++, SQL, HTML, CSS

Frameworks/Libraries: React, NextJS, Node.js, Express.js, NestJS, Redux, GraphQL, Ant-Design, Keycloak, Pulsar, OpenCV, YOLOv8, TypeORM, Docker

Databases: PostgreSQL, MongoDB

Testing: Jest, React Testing Library

EDUCATION

Lahore University of Management Sciences (LUMS)

Lahore, Pakistan

Bachelor of Science in Computer Science

Aug 2019 – May 2023

Coursework: Data Structures, Algorithms, Software Engineering, OOP, Databases, Operating Systems, Human Computer Interaction, Computer Vision, Data Science, Data Mining, Artificial Intelligence

Extra Curricular: INDEX (General Secretary), IEEE (member)