

UMAR SAEED CHEEMA

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EDUCATION

Lahore University of Management Sciences (LUMS)

Bachelor of Science in Computer Science

Lahore, Pakistan

Aug 2019 – May 2023

Coursework: Data Structures, Algorithms, Software Engineering, OOP, Databases, Operating Systems, Human-Computer Interaction

TECHNICAL SKILLS

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

Frameworks/Libraries: React, Node.js, NestJS, GraphQL, Ant-Design, Docker, AWS, Jest, React Testing Library, Keycloak, Pulsar, Kubernetes

Developer Tools: Git/Github, Figma, VS Code, Clickup, Jupyter, Github Desktop

EXPERIENCE

DGlobal — Software Engineer I

July 2023 – Present

NestJS, ReactJS, AntDesign, GraphQL, gRPC, Clickup, Git, Github, Docker, Github Actions, CI/CD, WebSockets

Lahore, Pakistan

- Developed a Retry Service to handle all failing calls for HTTP and gRPC, ensuring robustness and reliability in communication protocols.
- Integrated Pulsar with NestJS and Websockets in NestJS/ReactJS for real-time user notifications, optimizing communication.
- Implemented GitHub Actions using semantic release to streamline the release process by automatically generating version updates and changelogs based on conventional commits.
- Collaborated with product team to conceptualize high fidelity design in Figma, then utilized Ant Design to craft visually appealing, intuitive user interfaces, enhancing overall user experience.

Open Data Pakistan — Software Engineer

Aug 2022 – May 2023

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

Lahore, Pakistan

- Added CKEditor to enhance the functionality for smoothly creating blogs and extended it to add live visualizations through infographics.
- Implemented Harvesting, an ETL (extract, transform, and load) process for Open Data Pakistan to communicate datasets globally with other open data portals.
- Wrote extensions to implement custom data fields, new themes, data visualizations, and vocabulary tags.

PROJECTS

KonsaCourse | React, Express, Node, MongoDB, MaterialUI, TailwindCSS

Jan 2022 – May 2022

- Developed a full-stack instructor and course rating web application using MERN stack
- Worked on frontend of the application in React with Material UI and TailwindCSS

Khayr | Figma, Human Centered Design, User Research, Testing, High-Fi Design, Lo-Fi Design

Aug 2023 – Dec 2023

- A prototype desktop application was developed to help Child Protection and Welfare Bureau (CPWB) students manage anger and regulate emotions, including a teacher admin panel to monitor student progress.
- Participated in data collection, developed hi-fi designs in Figma and conducted interviews for user testing