

# MUHAMMAD OSAMA NOOR UDDIN

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## SUMMARY

Creative and detail-oriented engineer with a Master's in Computer Science with over three years of experience as a Software developer, specializing in building dynamic, responsive web applications using React, JavaScript, and TypeScript. Proficient in developing modern, reusable UI components, integrating RESTful APIs and GraphQL, and ensuring optimal performance, accessibility, and cross-browser compatibility. Skilled in Agile, TDD, and CI/CD methodologies, driving efficient, high-quality software delivery throughout the development lifecycle. A proactive collaborator with a track record of working closely with cross-functional teams, including Product, Design, and Engineering, to deliver innovative, user-centric solutions that enhance experiences and support business success.

## EDUCATION

M. Sc. Computer Science, Technological University Dublin

Sep 2023 – Dec 2024

B. E, Computer Science, Sir Syed University of Engineering & Technology, Paksitan

Jan 2017 – Mar 2021

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML, CSS, SASS, SCSS
- **Frameworks/Libraries:** React, Redux, Context API, React Router, React Query, Tailwind CSS, Material UI
- **Frontend Tools & Technologies:** Webpack, Babel, NPM, Jest, React Testing Library
- **DevOps & Tools:** Git, GitHub, CI/CD, Docker
- **Other Skills:** RESTful APIs, GraphQL, WebSockets, State Management, Performance Optimization, Cross-Browser Compatibility, Web Accessibility

## WORK EXPERIENCE

Software Engineer | KCompute (Pvt.) Ltd. - Karachi, Paksitan

Aug 2020 – Aug 2023

- Collaborated across the entire development lifecycle, utilizing expertise in React, JavaScript, and TypeScript to build dynamic, scalable, and high-performance web applications
- Proficient in developing dynamic, responsive, and user-friendly web applications using React, with expertise in building reusable components, state management, and integrating RESTful APIs and GraphQL for seamless data interactions.
- Engineered modern frontend architectures, emphasizing performance optimization techniques such as lazy loading, code splitting, and caching, while ensuring cross-browser compatibility and adherence to web accessibility standards (ARIA).
- Implemented interactive data visualizations using JQGrid, enhancing data representation with real-time filtering, and improved user engagement.
- Skilled in writing and maintaining unit and integration tests using Jest, ensuring code quality and reliability throughout the development lifecycle.
- Conducted A/B testing to evaluate design variations, optimize user experience, and make data-driven decisions for improving frontend performance and user engagement.
- Proficient in troubleshooting and resolving critical frontend bugs and performance bottlenecks, contributing to a seamless and reliable user experience.

## PROJECTS

SmartWardrobe - AI-Driven Fashion E-commerce Application [\[Code\]](#)

Sep 2024 – Dec 2024

- Developed a high-performance, AI-integrated fashion application using React, CSS, supporting visual and natural language search with real-time results.
- Utilized Redux for global state management (e.g., cart, wish-list, auth), ensuring clean separation of concern and smooth UI updates.
- Built a real-time chat system with products sharing and embedded previews, supporting group and one-on-one conversation for collaborative shopping experience.
- Integrated WebSockets for real-time data handling, supporting real-time chat system and instant notifications of the messages.
- Built performance reusable and modular React components to ensure code maintainability, improve consistency, and enable smooth data flow across the application.
- Implemented dynamic routing with React Router, enhancing navigation and user experience across the application.
- Enforced WCAG 2.1 accessibility standards by implementing ARIA attributes, semantic HTML to ensure the application is fully accessible to users with disabilities.

KickStarters -Modern job search and hiring application [\[Code\]](#)

Oct 2023 – Dev 2023

- Design and developed a responsive user interface using React, CSS, and Ant Design, ensuring simple and engaging user experience.
- Built reusable and modular React components to ensure code maintainability and consistency while optimizing state management using Context API for smooth data flow across the application.
- Implemented advanced filters to narrow down the job search based on factors such as job posted dates, open and closed jobs.