

# Abdul Zahoor

SENIOR SOFTWARE ENGINEER · FRONT END & FULL STACK DEVELOPER

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## Skills

**Coding** Javascript, TypeScript, Nodejs, Debugging, Algorithms, MongoDB, MySQL  
**Front-end** Reactjs, Nextjs, Reduxjs, tailwind-css, MUI, shadcn, Storybook, Highcharts  
**Tools** Git, GitHub, VSCode, Babel, Webpack, Vitejs, Dev-Tools, ChatGPT, GitHub Copilot

## Work Experience

### Rafay Systems

Remote (California, USA)

SENIOR FRONTEND ENGINEER

Apr. 2020 - Present

- Collaborated effectively with cross-functional teams, including designers, product managers, and backend developers, to deliver high-quality, feature-rich applications. Participated in UI revamp huddles to provide constructive feedback.
- Introduced code quality tools for better and uniform code, and drafted code collaboration guidelines for smoother PR reviews and code merges by setting up linter, prettier, and lint-stage pre-commit hooks for automated code quality checking.
- Led the integration of Storybook into our development workflow to revolutionize how we approached UI component development and documentation. Which later, immensely helped design system implementation for UI revamp.
- Proactively fixed vulnerabilities and applied patches to win a customer for the sales team. Wrote custom wrapper to execute migration for deprecated packages, thus ensuring ongoing compatibility and optimal performance.
- Spearheaded the performance optimizations in code, implemented code splitting in React applications, extracted duplicate code to a common package, and popularized memoization techniques within React components.
- Led the seamless integration of Material-UI components and design principles into the front-end architecture, ensuring a cohesive and visually appealing user interface.
- Supervised Webpack migration to v5 for fast and optimized builds with code splitting, minification, tree-shaking, and efficient bundling of assets.
- Implemented migration to Vitejs, reducing build times to half and getting dev server to launch instantly which improved developer experience massively. Also, I made changes in Jenkins pipelines to reduce build time.

### Khubaib Foundation Pakistan

Remote (Haripur, Islamabad)

FREELANCE FULL-STACK DEVELOPER

Part-Time Aug-2024 - Dec-2024

- Created the main website and its Content Management System <https://khubaib.edu.pk>, streamlining their application tracking, admission process, and blogging events
- Led the Development of Figma Design to Nextjs, utilized Material-UI for components, theming and forms, a tailwind-css for flexible styling.
- Developed a Content Management System (CMS) and Frontend required APIs in collaboration with another BE developer.

### DCAO

Remote (Montreal, Canada)

FREELANCE FRONTEND DEVELOPER

Part-Time June - Sept. 2020

- Collaborated with backend developer to help streamline request/response formats during data communication during RESTful API calls, MQTT signals, and socket events.
- Led the development of a dynamic kiosk portal, to quickly roll out a first-of-its-kind, fully-fledged COVID monitoring system having DCAO kiosks and management portals
- Developed web client in React for entry booths (kiosks) with support for audio/video calls using WebRTC with MediaSoup, real-time messaging queue using MQTT and Socket.io, and offline support.

### DevUP Technologies

Remote (London, UK)

JUNIOR SOFTWARE ENGINEER

July. 2018 - Feb. 2020

- Developed web and Windows Forms applications focusing on user-friendly interfaces.
- Maintained and enhanced software by fixing bugs and optimizing performance.
- Created C# and React templates for faster project setup, including an automated tool to generate React files from database schemas.

## Education

### Air University

Islamabad, Pakistan

B.S. IN COMPUTER SCIENCE

Sep. 2014 - Jun. 2018

- Majors: Artificial Intelligence, Data Science and Cybersecurity
- Others: Web Technologies & Databases, Data structures & Algorithm Design, Object Oriented Programming

## Honors & Awards

2023 **Runners Up**, Rafay Hackathon 2023

Rafay Systems

2019 **Gold Medalist**, BS-CS 2014-2018

Air University