

Abdullah Ch

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WORK EXPERIENCE

Software Engineer

Jan 2023 - Present

Dubizzle

Dubai, UAE

- Designed and developed headless reusable components in React JS and Next JS, enhancing code maintainability and flexibility through the implementation of **Design patterns**.
- Elevated code quality and maintainability by refactoring component code, converting to TypeScript, and implementing static type checking.
- Engineered the Car Auction Negotiation Feature using Firebase, contributing to Dubizzle Car Service's monthly revenue surpassing **\$1 Million**.
- Collaborated with cross-functional teams, translating stakeholder requirements into actionable development plans for successful project outcomes.

Full Stack Software Engineer (MERN/MEVN)

Sept 2021 - Jan 2023

Trade Hat

USA / Remote

- Optimized Webapp's bundle size by 15% through lazy loading, CSS purging, and migration to lightweight libraries, resulting in a faster loading time and enhanced user experience.
- Implemented **Refresh Token Rotation based Authentication** for enhanced API security in Node JS, demonstrating commitment to data confidentiality and reducing the risk of data breaches.
- Developed a scalable WebSocket server with Node.js and the WS library, integrated with RabbitMQ for **Streaming real-time tickers'** information and notifications. Monitored client heartbeat and efficiently **pruned idle connections** to conserve resources.
- Designed reusable UI components in Vue.js with the **Decorator Pattern**, improving code maintainability and development efficiency across multiple projects.

Full Stack Software Engineer (MERN)

May 2021 - Sep 2021

BigOSoft

USA / Remote

- Built reusable React components with decoupled logic and UI layers using Hooks, enhancing code maintainability and development efficiency.
- Contributed to React-based POS and website front-end development using **TypeScript** and **Material UI**, delivering high-quality, responsive interfaces through collaboration with cross-functional teams.
- Created efficient and scalable RESTful APIs to support seamless communication between systems, ensuring productivity and minimizing downtime.

EDUCATION

PERSONAL PROJECTS

- **Refresh Token Rotation:** Implemented Refresh Token Rotation Authentication System with Hacker Detection for improved security and lower risk of token leakage using Express, Mongodb, and Node. Enabled Automatic Retry Mechanism for Failed APIs with Stale Access Tokens, enhancing the user experience using React JS.
- **Websockets Authentication Server:** Created a secure and efficient Authenticated WebSocket Server built in Node.js with the ws library. Features include exclusive authenticated connections, proactive ping messages to prevent inactivity termination, and smart heartbeat monitoring.
- **Anime Tracker Web App:** Designed and developed a responsive web application that allows users to browse, search, and discover anime titles. The app features a clean user interface and intuitive navigation and includes daily release updates, top-rated titles, and upcoming releases. Leveraging React, Redux, and RESTful APIs. Implemented features such as advanced search functionality, browsing by genre, and seasonal anime catalogs.

SKILLS

Programming languages	• JavaScript	• TypeScript
Technologies	• Git	• HTML
	• CSS	• React
	• Next.js	• Express.js
	• Redux Toolkit	• Tailwind CSS
	• Styled Components	• MongoDB
	• Node.js	• REST APIs
Soft Skills	• Ownership	• Rigor
	• Team work	• Communication

NOTABLE ACCOMPLISHMENTS

- Ranked among the top 10 percent of software engineers, earning over 174 upvotes on [Stackoverflow](#). Contributions through questions and answers have positively impacted more than 5.8 million software engineers worldwide.
- Selected as one of 40 Fellows from a pool of 2,000+ applicants for the inaugural [Venture For Pakistan](#) Fellows S21 Cohort.
- Established a notable presence on [GitHub](#) with diverse JavaScript technology contributions, collectively amassing over 100 stars for my projects.
- Pioneered as the first Microsoft Ambassador from ITU, delivering over 10 talks on Git, GitHub, and the Hacktoberfest Challenge.