

Abdullah Ch

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EDUCATION

Information Technology University

Lahore, Pakistan

B.Sc. of Computer Sciences

WORK EXPERIENCE

Senior Software Engineer

Mar 2024 - Present

[Rana Dev](#)

USA / Remote

- Engineered RESTful APIs for a FinTech application to onboard individual and company customers with third-party banking partners, utilizing Nest.js and MongoDB for secure and seamless data exchange, reducing onboarding time by 40% and increasing completion rates by 30%.
- Integrated Know Your Customer (KYC) and Customer Due Diligence (CDD) services, helping global banking clients meet strict regulatory standards using Nest Js, GraphQL and MongoDB.
- Developed and implemented unit tests using Jest in Nest Js, achieving over 90% test coverage for new features, significantly reducing production bugs, and enhancing application stability.
- Engineered and optimized frontend components for banking application onboarding using Next.js, integrating GraphQL, Redux Toolkit, and React Hook Form. Applied Factory and Decorator design patterns to streamline data management and enhance code readability and maintainability.

Software Engineer II

Jan 2023 - Mar 2024

[Dubizzle](#)

Dubai, UAE

- Engineered [Dubizzle's Car Ad Post Feature](#) by developing dynamic forms using Formik in React with Redux Toolkit, significantly enhancing the car buying and selling process, that led to a contribution towards \$1M monthly revenue.
- Engineered the Car Auction Negotiation Feature using Firebase, significantly enhancing the user experience for over 100,000 users on the Dubizzle Car Service platform.
- Implemented Call Quality Control (QC) feature using custom hooks and factory, decorator patterns in React, for supervising Dubizzle Cars field agents, leading to a 20% increase in the closing rate of sales leads by enhancing the quality and consistency of customer interactions.
- Elevated code quality and maintainability by refactoring component code to TypeScript, improving 50% of the codebase and reducing bugs significantly.

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 in Vue js, resulting in a faster loading time and enhanced user experience.
- Implemented **Refresh Token Rotation** based Authentication in Node.js to enhance API security, significantly reducing the risk of data breaches and strengthening data confidentiality.
- 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.

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:** Developed a responsive web app for browsing, searching, and discovering anime titles, featuring a clean UI with daily updates, top-rated lists, and upcoming releases. Leveraged React, Redux, and RESTful APIs to implement advanced search, genre browsing, and seasonal catalogs.

SKILLS

Programming languages

- JavaScript
- TypeScript

Technologies

- Git
- CSS
- Next.js
- Redux Toolkit
- Styled Components
- Node.js
- HTML
- React
- Express.js
- Tailwind CSS
- MongoDB
- REST APIs

Soft Skills

- Ownership
- Team work
- Rigor
- Communication

NOTABLE ACCOMPLISHMENTS

- Ranked among the top 10 percent of software engineers, earning over 210+ upvotes on [Stackoverflow](#). Contributions through questions and answers have positively impacted more than 6 million software engineers worldwide.
- Established a notable presence on [GitHub](#) with diverse JavaScript technology contributions, collectively amassing over 100 stars for my projects.