# Ali Akbar (Full Stack MERN Developer)

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## ABOUT MYSELF

I'm an experienced software engineer with over 5 years in application development and project management. Known for my efficient problem-solving skills and ability to see projects through to completion, I consistently deliver impactful results.I am passionate about leveraging cutting-edge technologies to create innovative solutions that address real-world challenges.

## DIGITAL SKILLS

### Front-end Development

JavaScript / Typescript / React, Next.js, React Native / Apollo Client / React Redux / Html5, Css3 / Bootstrap / Material UI

### Backend Development

NodeJS (TS & JS) / Nest.JS / Express JS / Micro Service Architecture / Apollo Server / CORS / IP Services:DHCP,DNS,NTP,FTP,TFTP / SQL / Mongodb / Mongoose / Nginx / PM2 / socket.IO / Firewall, WAF, DDOS / PuTTY / GraphQL API / RESTful api

### Testing and Development Practices

Test-driven development. / Continuous Integration/Continuous Deployment

### Deployment and Hosting

AWS / Docker / Vercel (Frontend Deployment) / Netlify / Heroku / Github, Github actions

## PROJECTS

[ 16/10/2022 – Current ]

**Constuction Management** A construction project management software provides a comprehensive solution for streamlined project oversight. It empowers professionals to efficiently manage all facets of a project, encompassing planning, scheduling, budgeting, and resource allocation, ensuring smooth and effective project execution.

- Designed and developed responsive user interfaces using React.js
- Implemented custom views, forms, and dashboards for project management
- Developed RESTful APIs and server-side logic for data management and authentication
- Implemented real-time features for task updates, progress tracking using sockets
- Rendered large lists of data efficiently, only loading items within the viewport
- Rendered large single-page PDF files on canvas for seamless viewing and Handled annotations and enabled real-time collaboration on PDF

**Links:** https://ceibro.ee/login   |   https://play.google.com/store/apps/details?id=com.zstronics.ceibro&hl=en&pli=1

**my housing options** My Housing Options is the UK's pioneering online platform dedicated to bridging the gap between low-income renters and affordable housing. We recognize the critical shortage of budget-friendly, quality housing solutions in the UK.

- Design and implement responsive user interfaces using Bootstrap and Next.js

- Design and implement GraphQL schema using Apollo Server
- Develop resolvers for querying and mutating data
- Monitor traffic patterns and detect anomalies using tools like ddos-detector
- implement CORS middleware using cors to handle CORS requests and configure allowed origins, methods, and headers to control access to your API

**Link:** https://myhousingoptions.co.uk/

[ 23/12/2023 – 10/03/2024 ]

**opensesame** Develop a mobile app in React Native that enables users to connect and control various IoT devices remotely. The app will facilitate seamless communication between the user's mobile device and IoT devices, allowing for efficient management of different operations
- Use Bluetooth Low Energy (BLE) to discover nearby IoT devices
- Establish a connection with the selected IoT device using BLE
- Handle connection errors and disconnections
- Use Realm Database for storing device information and connection history

React Native · React Native Paper · Realm Database · Bluetooth Low Energy · Java

## WORK EXPERIENCE

### Full Stack MERN Developer
*ZSTRONICS* [ 10/10/2022 – Current ]

**City:** Lahore  |  **Country:** Pakistan  |  **Business/sector:** Information and communication

- Developed and deployed multiple web applications using MERN Stack
- Built a scalable and secure RESTful API using Node.js and Express.js
- Built microservice architecture using Nest.js
- Launched native Android applications on Play Store
- Designed and implemented microservices architecture using Docker
- Built scalable applications using Node.js, Express, GraphQL, JavaScript, and TypeScript
- Led complex software projects from start to finish, managing resources and timelines

Technologies: React, React Native, Expo, Next.js, Nest.js, Node.js, Express, GraphQL, Apollo Client, MongoDB, TypeScript, JavaScript, Redux, Material UI, Docker, Twilio API, CI/CD, GitHub, Postman and AWS etc.

### Full Stack MERN Developer
*TechBrainz* [ 12/06/2020 – 10/09/2022 ]

**City:** Lahore  |  **Country:** Pakistan

- Contributing to the company's codebase, documentation, and knowledge-sharing initiatives, such as conducting code reviews, participating in technical discussions, and providing feedback on best practices
- Mentoring and coaching junior developers to help them improve their technical skills and professional development.
- Optimized the application performance using profiling tools like Chrome DevTools and implemented caching strategies, resulting in a 50% reduction in page load times.
- Implemented secure authentication (JWT, OAuth) and SSL on multiple applications, resulting in a more secure and trustworthy application.
- Provided technical support and troubleshooting, reducing downtime and increasing system availability.

Technologies: React, Nodejs, MongoDB, Express, Javascript , Typescript, Redux, REST APIs, Docker, GitHub, postman and AWS etc

### MERN Stack Developer

*nets-international* [ 21/07/2021 – 02/02/2022 ]

**Country:** United Kingdom

- Designing and implementing user-friendly and responsive user interfaces that are optimized for various devices and platforms
- Design a Project from scratch and implement data on different views like charts, tables and more in keep view of Design and business logic
- Utilized my extensive experience in building robust and scalable applications using React, JavaScript, and TypeScript, leveraging its powerful features and libraries
- Built a scalable and secure RESTful API using Node.js and Express.js

Technologies: React, Nodejs, SQL, Express, Javascript , Typescript, Redux, REST APIs and Docker etc

### Full Stack React Developer

*BlockTech Solutions* [ 03/12/2020 – 06/06/2021 ]

**City:** Faisalabad   |   **Country:** Pakistan

- Collaborated with team members to enhance the guest experience, identify areas for improvement in Block-chain projects.
- At Blocktech worked on different tools like Ethereum, Tron Coin and Web3
- Developed complex user interfaces using custom views, fragments, and layout resources in accordance with Material Design.
- Integrated Google Play and Firebase services, like push notifications and user authentication

Technologies: React, Nodejs, Ethereum, Tron Coin, Web3 , MongoDB, Express, Javascript , Typescript, Redux, REST APIs, GitHub, postman, material ui Desing etc

## EDUCATION AND TRAINING

### BS Computer Science

*GC university Faisalabad* [ 16/10/2016 – 20/09/2020 ]

**City:** Faisalabad   |   **Country:** Pakistan

## LANGUAGE SKILLS

**Other language(s):** English