

# Shahbaz Ali | Junior Software Engineer

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## PROFILE

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As US citizen and a highly skilled Junior Software Engineer, graduating with distinction in Computer Science and earning accolades for the Best Final Year Design Project.

## EDUCATION

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**Bachelor of Computer Science**  
Graduated with a 3.816/4 CGPA.

October 2019 - October 2023

## AWARDS

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Best Final Year Design Project (FYDP) |  
CSIT department

October 2023

Koderz Kombot Problem Solving Competition |  
2<sup>nd</sup> Position

December 2022

## WORK EXPERIENCE

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**Junior Developer**  
**DevRoute Pvt. Ltd.**

January 2023 - June 2023

- Utilized state-management libraries like redux to manage the state of React.js applications, ensuring efficient data flow and consistent behavior across components.
- Implemented lazy loading strategies for assets in a Vue.js project, resulting in a 25% reduction in initial page load times and a 30% improvement in overall website performance.
- Get familiarity with the Vue.js ecosystem, including Vue CLI, Vuex, Vue Router, and Nuxt.js
- Enhanced website performance by optimizing critical rendering paths, reducing HTTP requests, and implementing lazy loading of assets for faster page load times.
- Integrated user authentication and authorization mechanisms, including OAuth using Passport.js and JWT, to enhance web application security and protect user data.

**Junior Front End Engineer**  
**Karachi Development Authority**

August 2022 - November 2022

- Developed server-side rendered applications using Next.js, optimizing the application for better performance and SEO.
- Utilized Prisma as the database toolkit to simplify database access and management, ensuring a seamless integration with PostgreSQL and Firebase databases.
- Conducted end-to-end testing with Playwright, identifying and resolving 80% of potential bugs before production release, ensuring a high level of application reliability and user satisfaction.

- Applied Tailwind CSS for styling in a Vue.js project, achieving a 40% reduction in overall stylesheet size and a 25% improvement in website loading speed.

## PROJECTS

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### **AdviZing 360 (in progress)**

- AdviZing 360 is a consulting platform that enhances the client-consultant experience through real-time communication, secure document sharing, and data-driven insights.
- User-friendly dashboard with chat, video, and voice call capabilities.

### **Computer Vision and Blockchain based Drive-thru Store**

- This project fuses computer vision and blockchain tech to transform drive-thru shopping.
- With ALPR and cryptocurrency payments, it simplifies order processing.
- Reduced the order's waiting time by more than 50%.

### **Student Industry Linkage Portal for NED University**

- The Student Industry Linkage Portal is a web-based platform designed to bridge the gap between students and industries.
- Its primary goal is to connect students with real-world industry experiences, internships, and job opportunities.

### **3D Shirt Designing ([Deployed Link](#))**

- Engineered a visually engaging website utilizing Three.js to showcase a dynamic collection of trendsetting 3D shirt designs.
- Implemented customization features, empowering users to personalize their shirt selections in a unique and interactive way.

## SKILLS

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<b>Frontend:</b>	HTML5, CSS3, JavaScript (ES5), React.js, Vue.js, React Native, Redux, React Query, TypeScript, Three.js, Antd, Tailwind.css
<b>Backend:</b>	Node.js, Express.js, Prisma, GraphQL, Apollo server, JWT, OAuth, Socket.io
<b>Frameworks:</b>	Next.js, Nuxt.js
<b>Databases:</b>	Postgresql, MySQL, Firebase, MongoDB
<b>Technical:</b>	Proficient in solving LeetCode problems.
<b>Others:</b>	Object Oriented Programming, Solidity, Github, PowerBI, Playwright, Cypress, Figma