

Ahsan Iftikhar

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EDUCATION

BS Computer Science

NUCES - Fast University, Karachi, Pakistan

Aug 2018 - July 2022

WORK EXPERIENCE

Software Engineer II

Paysys Labs, Karachi, Pakistan

Jan 2022 - Current

- Developing and maintaining the user interface of our financial software products using React with minimal codebase leading to improving the efficiency of our web app up-to 25%.
- Collaborate with the development team, product team, and UX/UI designers to implement new features and improve existing ones leading to faster page reloading and interaction up-to 30%.
- Designing reports on Jasper Soft Studio that includes writing complex queries and pl/sql procedures which extracts the data for reports used by NS Branches all over the country for different purposes.
- Developing ETL Jobs for bulk data migration, enhancing the quality of data for better which enhanced the performance of databases upto 40%.
- Stress testing of endpoints on Jmeter which helped in identifying and addressing performance issues, optimizing resource allocation, and ensuring timely response to user requests and consistency of services upto 30%.
- Resolving crucial bugs of Core business application and modification in ETL Jobs.
- Developing and maintaining Jasper Reports, empowering 300+ Branches to efficiently analyze data for various purposes.
- Skilled in developing and maintaining Jasper Reports for over 300 branches to efficiently analyze data.
- Proficient in developing backend services using Nodejs & Expressjs, Nestjs and collaborating on mobile applications using React Native with the App development team.
- Experience working on diverse projects with varying technology stacks, including React, Next.js, and Angular.
- Participated in code reviews, offering constructive feedback to maintain code quality.

Software Engineer I

Teresol, Karachi, Pakistan

Sep 2021 - Dec 2021

- Contributed to front-end development using Vue.js, improving interface responsiveness and usability by 15%.
- Integrated JWT (JSON Web Tokens) for secure user authentication and authorization.
- Implemented XState middleware for efficient management of complex application states.
- Collaborated closely with back-end developers to ensure seamless communication and integration.
- Participated in code reviews, offering constructive feedback to maintain code quality.

Associate Software Engineer

Medicon, Karachi, Pakistan

May 2021 - Aug 2021

- Develop and implement user interface components using React.js concepts and workflows, ensuring the delivery of high-quality, responsive web applications.
- Collaborate with cross-functional teams to translate user requirements into effective React-based solutions, contributing to the overall success of project deliverables.
- Optimize application performance and scalability through the implementation of best practices and industry standards in React.js development.
- Stay abreast of emerging trends and advancements in React.js development, continually enhancing skill set and contributing to team knowledge sharing initiatives.

SKILLS

C, C++, Javascript, HTML, CSS, React, React Native, Nodejs, ExpressJS, Nextjs, Material UI, ETL Jobs, Oracle SQL, Jasper Reports, C#, GraphQL, Tailwind CSS, Vue.js, Xstate, Python, Redis, Jest, Nestjs, Nextjs, Socket.io, WebRTC, Kubernetes, Docker, Microservices, Redux, RESTful API, CI/CD

PROJECTS

National Savings *Reactjs, React Native, Spring Boot, Redis*

The National Saving Management System is a robust web-based application that integrates front-end development and SQL database management. Designed to modernize national saving initiatives, the system provides intuitive interfaces for branches to access information, conduct transactions, invest in products, and monitor savings efficiently. The front-end, developed using React, ensures user-friendly experiences, while the backend, powered by Spring Boot and SQL, handles data management effectively. Additionally, mobile apps for Android/iOS, built with React Native, ensure accessibility across platforms. As the Front-End Developer, I oversee the development and maintenance of the React-based front-end and Android app. In addition to managing user interfaces, I contribute by developing Jasper reports for various purposes that was used by branches all over the Pakistan to retrieve crucial data and to provide comprehensive insights. Furthermore, I play a crucial role in troubleshooting and resolving bugs within the core application, developing new functionalities for backend services on Oracle SQL, ensuring seamless functionality across the system.

NBP - Digital Account Opening *Reactjs, Nodejs, SQL, Expressjs* <https://newaccount.nbp.com.pk/landing-page>

The aim of the National Bank of Pakistan is to facilitate digital account opening, providing customers with convenient access to banking services through online channels. My role encompasses managing the project and leading Front End Development from inception, utilizing technologies such as React, MUI5, and React Query for efficient caching. Additionally, I ensured the security of the application by employing Snyk to identify and address potential security issues, thereby enhancing its overall security posture and worked on backend service on Nodejs. Moreover, I focused on ensuring the web portal's compatibility across multiple devices, ensuring a seamless user experience across various platforms and screen sizes.

National Savings - Digital Account Opening *Reactjs, Nodejs, Expressjs, SQL* <https://account.nationalsavings.digital/>
NS-DAO aims to bring customer onboard through its web application digitally. I orchestrated the design and implementation of the backend infrastructure, utilizing NodeJS for robust and scalable functionality. Additionally, I streamlined the user experience to ensure a seamless and secure digital onboarding process. Collaborating with cross-functional teams, I integrated advanced features to enhance the overall efficiency of National Savings processes. Furthermore, I spearheaded front-end development using cutting-edge React technologies to craft an intuitive and user-friendly interface.

National Savings - BackOffice *Angular, Java, SpringBoot, SQL*

National Savings Backoffice, a web-based application aimed at managing customer requests for National Savings Digital Account Opening. I contributed significantly to enhancing user account management and access control features, utilizing ReactJS for the frontend and Node.js with SQL for the backend. Additionally, I implemented robust device blocking capabilities to ensure security.

National Savings Call Center App *Nextjs, Spring Boot, Java, SQL* The goal of the National Savings Call Center App was to create a web portal for accessing the National Savings Mobile App, enabling viewing of customer KYC details and their status, including whether they are locked or unlocked. My responsibility was to lead the development of the frontend portal using React. I also spearheaded the project by collaborating closely with other teams to ensure its success. National Savings Call Center app's was to

Bank Al-Habib App *Vue.js, Java, Quarkus, Xstate*

I played a central role in the overhaul of Bank Al Habib's core banking application, leading to significant improvements in user experience and performance. This comprehensive application handles various financial functions including customer accounts, transactions, loans, as well as features like Customer Relationship Management, Teller and Cash Management, KYC, and Financial Analysis. The frontend is developed using Vue.js with integrated JWT token for security, and XState serves as middleware. Meanwhile, the backend is constructed with Quarkus and SQL, ensuring robust functionality and data management.

CERTIFICATES

SQL (Intermediate) *June 2023*

It includes complex joins, unions, and sub-queries.

Hacker Rank

Javascript *Jun 2023*

It covers topics like, Functions, Currying, Hoisting, Scope, Inheritance, Events and Error Handling.

Hacker Rank

Python *Feb 2023*

It covers topics like Scalar Types, Operators and Control Flow, Strings, Collections and Iteration, Modularity, Objects and Types and Classes

Hacker Rank