

Professional Summary

Dynamic and results-oriented software developer with experience in frontend and backend development, specializing in React.js, Node.js, Express, MongoDB, and CI/CD pipelines deployments. My experience in Research & Development has fostered a strong desire to learn new tools and techniques.

Work Experience

Software Developer

Digital Pakistan Lab, CEME NUST, Rawalpindi

March 2022 – June 2024

- Developed and maintained web applications and Android applications.
- Built a Medical Decision Support System using React, Node.js, Express, and MongoDB.
- Created an NFC Scanner Inventory Management System for Android using React Native.
- Implemented CI/CD pipelines and Docker environments for efficient deployment.
- Ensured seamless operation across diverse computing environments, optimizing cross-platform compatibility.
- Utilized Git for version control, managing codebase and collaborating with team members.
- Designed and optimized both frontend and backend components to enhance user experience and performance.
- Participated in research projects, contributing to innovative solutions and the application of new technologies.
- Developed frontends for research projects like Plant Disease Detection and Drowsiness Detection.

Junior Frontend Developer

TradeApe, Singapore

November 2021 – January 2022

- Assisted in the development of web applications using React, JavaScript, HTML, and CSS.
- Worked closely with UX designers to translate design concepts into functional UIs.
- Enhanced website performance by implementing lazy loading and image optimization techniques using Cloudinary.
- Participated in code reviews and team meetings to ensure collaborative and efficient development processes.
- Conducted testing and debugging to ensure code quality and reliability.
- Engaged in continuous learning to stay updated with the latest frontend development trends and technologies.

Education

Bachelor of Science in Computer Science

PMAS Arid Agriculture University, Rawalpindi

2016 – 2020

▣ Final Year Project:

Desing and Develop Traditional Committee System app using React Native, C# Rest API and SQL server database.

▣ Academic Projects & Achievements:

- Tutor Service - Asp.Net, SQL server
- Student Result System Desktop App - C#, SQL server
- Student Report Card System - C++

Skills & Tools

- | | |
|---|---------------------------------|
| ▣ ReactJS, React Native | ▣ Web Performance Optimization |
| ▣ JavaScript, HTML, CSS, Webpack, Babel | ▣ Agile/Scrum Methodology |
| ▣ React Bootstrap, Material UI, Ant Design UI | ▣ Git, GitHub |
| ▣ Node.js, Express, Data Encryption | ▣ VS Code, Android Studio, Expo |
| ▣ Figma, Adobe Xd | ▣ Windows, Ubuntu |
| ▣ Docker, CI/CD. | ▣ Mongodb, Firebase, SQL Server |

Certifications

- ▣ Fundamentals of React Native and Hooks Certification – Udemy, 2020

Projects

LaVivaPayInc.com

- Developed and maintained the website for La Viva Pay Inc., utilizing React JS, and other modern web technologies to ensure a responsive and user-friendly interface.
- Developed the frontend of the mobile app using React Native, delivering a consistent user experience across web and mobile platforms.
- Implemented CI/CD pipelines to automate the deployment process, enhancing efficiency and reducing time-to-market for new features and updates.

Drowsiness Alert App

At DPL, NUST

- Developed a Drowsiness Detection App using ReactJS for the frontend, delivering a responsive and intuitive user interface.
- Integrated Google Mediapipe AI model to accurately detect signs of drowsiness in real-time.
- Implemented real-time video processing and analysis to monitor user behavior and detect drowsiness cues.

NFC Inventory Management App

At DPL, NUST

- Developed an NFC Inventory Management Android App using React Native, integrating with APIs to enhance inventory tracking efficiency with real-time data updates with QR code and NFC scanning capabilities.
- Designed and implemented user interfaces, ensuring a seamless and intuitive user experience while connecting to backend APIs for data synchronization.

Medical Decision Support System At

DPL, NUST

- Developed a Medical Decision Support System using React, Node.js, Express, and MongoDB, providing healthcare professionals with real-time decision-making assistance.
- Integrated four AI Flask APIs into the Medical Decision Support System for enhanced diagnostic capabilities.
- Implemented advanced features such as data visualization and real-time updates to support medical diagnostics and treatment recommendations.
- Utilized Docker and CI/CD pipelines to streamline development workflows and ensure efficient, reliable deployment across various environments.

InceptionTechPk.com

For Inception Technologies

- Developed and deploy a CMS-based online gadgets store using HTML, Bootstrap, PHP, and MySQL for showcasing electronic gadgets.
- Conducted unit testing and debugging to ensure code quality, reliability and responsiveness.

Languages

• English (*Working Proficiency*)

• Urdu (*Native or Bilingual Proficiency*)

Hobbies and Interests

- Travelling • Hiking
- Research