Shahroze Kamran Sahotra

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ABOUT ME

With over 4 years of experience, I'm a dedicated Full Stack Web & App Developer committed to excellence. Passionate about crafting standout digital solutions, my expertise ensures seamless results that exceed expectations. My ability to navigate both frontend and backend development guarantees comprehensive solutions, fostering lasting client relationships in a competitive market.

WORK EXPERIENCE

Software Developer

Federal Government Organization [10/11/2022 – Current]

City: Islamabad | **Country:** Pakistan

Key responsibilities:

1. Problem Solving and Debugging
2. Software Design and Development
3. System Architecture & Documentation
4. Version Control and Collaboration
5. Security and Data Protection

Senior Admin Assistant

Sehat Sahulat Program-Head Office [15/08/2022 – 10/10/2022]

City: Faisalabad | **Country:** Pakistan

Key responsibilities:

1. Providing E-Health Solutions
2. Software Management
3. Software Testing
4. User Management & Queries

EDUCATION AND TRAINING

BSCS

National University of Computer and Emerging Sciences, Faisalabad [13/09/2017 – 23/09/2021]

City: Faisalabad | **Country:** Pakistan | **Website:** https://cfd.nu.edu.pk/ | **Field(s) of study:** Information and Communication Technologies: ● Software and applications development and analysis ● Database and network design and administration | **Final grade:** CGPA: 2.85/4.00 | **Thesis:** InFocus: Digitization of Final Year Process

Final Year Project
InFocus: Digitization of Final Year Process
We envision a web application with some features over mobile application, InFocus, to digitalize stages of FYP (Final Year Project) process, with the flexibility to support multiple modules and user interface mechanisms, and integration with third-party supporting systems.
Tools & Languages Used: Android Studio, Visual Studio, SQL Server, Java, ASP.NET MVC, Angular

Skills:

1. Web and mobile app development
2. Database Management
3. Object Oriented Programming
4. Software Testing
5. C++ programming
6. Python
7. NextJS, React
8. Custom GPT development and deployment

LANGUAGE SKILLS

Mother tongue(s): Urdu | Panjabi; Punjabi

Other language(s):

English

LISTENING B1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Management Skills

Organizational and planning skills / Team-work oriented / Good listener and communicator / Able to adapt to new situations and system. / Research and analytical skills / knowledge of presentation platforms (PowerPoint, Prezi, Canva)

Computer skills

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / Zoom / Google Maps, GPS Tracking / Google Suite (Doc, Slides, Form, Sheet, Drive) / Basic knowledge in Design and photo/video editing.

PROJECTS

[11/12/2020 – 05/01/2021]
Inventory Management System (POS) The Inventory Management System (POS) efficiently tracks inventory, sales, and purchases, managing stock levels and generating invoices. It supports multiple payment methods, provides real-time updates, and integrates with barcode scanners for efficient management. Additionally, it generates reports, manages customer information, supports multi-location inventory, and ensures security through user authentication.
Tools and languages used:

1. **Frontend Development:**
   • React.js
2. **Backend Development:**
   • Node.js

• MongoDB
3. **Barcode Scanning Integration:**
• QuaggaJS
4. **Real-time Updates:**
• Socket.io
5. **Payment Integration:**
• Jazzzcash, easypaisa
6. **Deployment:**
• Docker
• AWS

[05/05/2020 – 25/05/2020]

Student Management System Student Management System's interface, dynamic and intuitive, supports various roles with features like enrollment, course registration, and attendance management. Responsive design and Bootstrap integration enhance accessibility and user experience, simplifying student and administrative tasks in educational settings. The system enhances efficiency by automating routine tasks, ensuring data accuracy, and promoting collaboration among stakeholders.

Tools and languages used:

1. **Backend Development (ASP.NET MVC):**
    - Language: C#
    - Framework: ASP.NET MVC
    - IDE: Visual Studio
2. **Frontend Development (Angular):**
    - Language: TypeScript
    - Framework: Angular
    - IDE: Visual Studio (for integration), Angular CLI for Angular-specific tasks
3. **Database Management:**
    - ORM (Object-Relational Mapping): Entity Framework
    - Database: SQL Server
4. **User Interface Design:**
    - Responsive Design Techniques
    - Bootstrap Framework

[20/03/2020 – 10/04/2020]

Face Recognition Application A face recognition app employs algorithms to identify individuals from facial images, serving security, authentication, and personalization purposes.

Tools and languages used:

1. Android Studio
2. Java/Kotlin
3. OpenCV
4. TensorFlow
5. Firebase

[03/09/2019 – 15/09/2019]

Text Recognizer using ML Kit The Text Recognizer Android application utilizes Android Studio for development, employing Java as the primary programming language. ML Kit, a machine learning SDK provided by Google, is integrated into the app for text recognition tasks, leveraging its image processing techniques. Users can capture

images containing text using their device's camera, and ML Kit processes the images to extract the text, providing accurate and efficient text recognition capabilities within the Android application.

Tools and languages used:

1. Android Studio
2. Java
3. ML Kit (provided by Google)
4. Image Processing and Text Recognition: ML Kit's image processing techniques for text recognition tasks
5. Integration: Android SDK for integrating ML Kit into the Android application

[08/06/2019 – 25/06/2019]

Fitness App A versatile mobile app offering workouts, nutrition tracking, goal setting, and progress monitoring. It provides personalized workout plans, diverse exercises, and dietary tracking with access to nutritional data. Users can set fitness goals, track progress, and engage in activity tracking. Social sharing fosters community support, while integration with wearable devices enhances functionality, empowering users towards healthier lifestyles.

Tools and languages used:

1. Android Studio
2. Node.js (backend)
3. React Native (frontend)
4. SQL (database)
5. External APIs
6. Git

[25/03/2018 – 01/04/2018]

Pulmonary COVID-19 Android-Based Disclosure System The Pulmonary COVID-19 Android-Based Disclosure System is a comprehensive solution developed using Android Studio and Firebase, leveraging Java and Python for programming tasks. This system integrates data from Kaggle to provide real-time updates and insights on pulmonary-related COVID-19 cases. Users can access the platform via their Android devices, enabling efficient tracking, disclosure, and management of pulmonary-related COVID-19 data for enhanced public health monitoring and response.

Tools and languages used:

1. Android Studio
2. Google Colab
3. Java
4. Python
5. Firebase
6. Kaggle