



Botmer
international



Muhammad Arsalan Sohail

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Specialization: Mobile Application Development

Charges per hour: \$25

Charges per month: \$3000

Availability: 45 hours per week

Supported Timezone: Any

ABOUT ME

Courteous and enthusiastic, I am always eager to learn new technologies and explore the latest advancements. My motivation and passion lie in research and development, and I continuously strive to enhance my skills. Currently, I am expanding my expertise by delving into advanced Python, various AI tools, and machine learning data models, aiming to bolster my development capabilities and tackle big data challenges. Furthermore, I aspire to broaden my knowledge and experience by joining an organization or university that offers opportunities for professional and personal growth in a competitive environment. I am committed to contributing my skills and expertise towards innovative projects while continuously learning and evolving in my career journey.

WORK EXPERIENCE

Senior Flutter Developer

Botmer International[06/2022 – Current]

City: Karachi | Country: Pakistan

- Lead and guide a team in developing medical and IoT projects, ensuring successful execution and delivery.
- Collaborate closely with clients to fully understand their product needs, devising and proposing impactful solutions that meet their requirements.
- Offer mentorship to junior team members, fostering a learning environment and encouraging their professional growth.
- Keep abreast of the latest industry trends, adopt agile methodologies for project management, and uphold high standards for software quality to ensure excellence.
- Work collaboratively with product and backend teams on the development of Cross-Platform (Flutter/React Native) and Native iOS (Swift) applications, enhancing app functionality and user experience.
- Design and implement CI/CD pipelines, significantly improving the release process efficiency and doubling deployment frequency.
- Conduct thorough monitoring of application performance metrics and user feedback, identifying opportunities for enhancements and guiding future product development strategies.

Department: Mobile App Development Services **Website:** <https://www.tekrevol.com/>

Mobile Application Developer (Flutter)

Innovative Network Pvt Ltd [12/2021–05/2022]

City: Karachi | Country: Pakistan



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- Specialized in developing AI-based applications, focusing on smart wearables and custom-fit clothing solutions.
 - Collaborated closely with the Unity game development team, integrating AI technologies into various applications.
 - Recognized as one of the top mobile application developers, playing a key role in the team's success.
- Department: Cross Platform & Data Science Website: <https://innovative-net.com/>

Lead Mobile Application

Digicop Soliution [11/2020– 11/2021]

City: Karachi | Country: Pakistan

- Developed a robust Flutter application architecture based on the MVVM pattern, streamlining development processes and standardizing mobile projects for easy team integration.
 - Provided regular updates to stakeholders via reports, meetings, and presentations.
 - Led a mobile app development team, collaborating with product, engineering, and sales departments to successfully launch various applications.
 - Created a comprehensive school management system featuring e-learning, advanced ML and AI functionalities, and custom components.
 - Implemented a release management pipeline for efficient application deployment.
- Department: Cross-platform Mobile Application Website: <https://www.digicopsolutions.com/>

Web Developer (Internship)

Engitech Services Pvt. Ltd. [04/2019 – 08/2019]

City:Karachi | Country: Pakistan

Completed an internship where I collaborated with a team on a healthcare project, contributing to its development and success.

Department: Web development Website: <http://www.engitechservices.com>

Project Team Lead

INFOACCESS [09/2019 – 10/2020]

City: Karachi | Country: Pakistan

- Led the deployment team, successfully rolling out projects across over 100 public sector entities.
- Played a pivotal role in enhancing the application's quality and responsiveness, ensuring a superior user experience.
- Managed the data of millions of parents and students, analyzing and leveraging this data to boost academic performance and engagement.
- Contributed to development efforts, exploring machine learning and artificial intelligence solutions during the COVID-19 pandemic to enhance the educational experience for school staff and students.

Department: Software development Website: <http://www.info-xs.com>

EDUCATION AND TRAINING

Bachelor's degree, Computer Science

IqraUniversity(Official) [2015 – 2019]

City: Karachi | Country: Pakistan

Pre-Engineering Hamdard College Of Science And Commerce

City: Karachi | Country: Pakistan [2013 – 2015]

Matriculation, Computer Science The

Vision Academy [2010 – 2012]

City: Karachi | Country: Pakistan

LANGUAGE SKILLS

Mother tongue(s):Urdu | Gujrati

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

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

DIGITAL SKILLS

Flutter/ Dart/ IOS (Objective-C, Swift)/ Html/ Cascading Style Sheets (CSS)/ Basic Python/ C++/
JavaScript/ Php/ basic C/ Firebase: Firestore, FirebaseAuth, Firestore, RealTime database/ google play/
Apple AppStore/ API/Postman/ Atlassian (JIRA/CONFLUENCE)/ Database : MySQL(basic)/ Jira, ClickUp, Trello

/ Source code management tools/ Python Language - Basic knowledge

PROJECTS

Driver Drowsiness Alert System (Live tracking) Designed and implemented a Driver Drowsiness Alert System with live tracking capabilities for my final year project. The system, comprising both hardware and software components, was entirely developed by me. Leveraging a dataset and model for monitoring eye movements, I created specialized glasses to detect drowsiness in drivers. When drowsiness was detected, the system automatically sent real-time location updates to designated contacts and alerted nearby vehicles through emergency lights connected to the system.

E-commerce Applications I've developed multiple e-commerce platform applications such as Mzara, Veebuild, and Qasra Store. These apps feature dynamically built UIs using JSON, catering to both multi-vendor and single-brand setups.

Alcohol Tracker App (BACTRACK) The "Age Monitoring" application, developed for a client in the USA, prompts users at any time to conduct tests using the app. During the test, the app utilizes ML Kit and the user's profile picture to verify their identity, ensuring the test is conducted by the correct individual. Additionally, the app tracks the user's location and provides accurate alcohol level readings. Upon completion, a comprehensive report is sent to the agent.



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Medical Application for diabetes I developed two distinct applications named "Resilient Patient" and "Resilient FNF" with the core functionality of continuously monitoring glucose levels. These apps are equipped to detect high or low glucose levels and automatically share the user's location with emergency services such as 911 in critical situations. Additionally, the "Resilient FNF" app notifies designated friends and family members (FNF) about the user's condition. Both applications maintain a comprehensive medication record for patients, ultimately contributing to saving lives. As part of testing, I personally utilized DEXCOM patches on my body to validate the accuracy and effectiveness of the apps.

School Management Applications (Students/Staff/Admin) Developed a comprehensive mobile solution catering to students, parents, and teachers, facilitating audio-video classes and lectures. Leveraging ML Quiz, the system automates timetables and fee payments through the app. Additionally, the application integrates AI, ML, and custom solutions to offer various functionalities, essentially encapsulating a complete school experience within a mobile app. **Fitness Application** Developed a fitness application featuring a video library and movement

checker powered by

ML Kit. The app includes functionalities such as managing check-ins and check-outs, along with a plethora of other fitness-related features. **Music Application** Developed a music mobile application for both platforms,

utilizing a music library and

implementing comprehensive options including library storage.

IOT Applications I developed an IoT application during my university projects and also at Tekrevol. This application includes features such as vehicle tracking, monitoring truck part efficiency and detecting problems, lane checking, and various other functionalities

CERTIFICATION

[02/2022 – 02/2022]

Introduction to python

[06/2021 – 07/2021]

Flutter Development Bootcamp with Dart

[02/2021 – 02/2021]

Scrum Master

[01/01/2024]

Certificate of appreciation from BanoQaili

[20/09/2023 – Current]

iOS App Development Bootcamp

