

Muhammad Mubashar Khan

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I'm an Experienced Software Engineer with 4 years of success delivering cutting-edge software solutions for business growth and improved productivity. Strong ability to manage the entire SDLC and deliver on time. Skilled in being a hands-on, detail-oriented team player committed to using technical expertise, problem-solving, and a passion for technology to drive business success.

Expertise

Technical Skills:

Development Environment: Android Studio, Visual Studio Code (VSCode)

Development Kit: Android SDK with Jetpack Suite and NDK, Node.js with React-Native CLI

Languages: TypeScript/JavaScript (ES6+), CSS, Kotlin, Java, SQL

UI Frameworks: React, XML (View-based system), Jetpack Compose, Material Design

Rest/Network Tools: Axios, Retrofit, Volley, HTTP

Persistence/Database Libraries: SQLite, Room, AsyncStorage

DI Tool/Framework: Dagger Hilt, Koin (DSL)

Concurrency Framework: Coroutine, Java Concurrency API

Reactive Data Flow Framework: Kotlin Flow, RxJava

Common UI Architecture: MVC, MVP, MVVM with Clean Architecture

API Testing Tool: Postman, Swagger, SoapUI

Others: C/C++, Python, JSON, Firebase, SOLID Principles

Project Management and Collaboration Skills:

GitLab, Gradle, Git, GitHub, BitBucket, Windows, Linux (Ubuntu), Slack, Zoom, Google Meet, Trello, Jira, Confluence, Agile, and Scrum

Other Skills:

Continuous refactoring/testing, problem-solving, communication

Area of Interest:

Cloud Computing, Artificial Intelligence, Mobile Application Development, and Embedded System

Work Experience

Software Engineer - Android/React Native

Jan. 1th, 2024-April 31st 2024

Associate Software Engineer - Android

May 1th, 2022- Dec. 31st, 2023

Reactive Space Pvt. Ltd, Islamabad

Hybird Job, Full-Time

CardioVes (Patient App) - React Native:

- CardioVes has transformed remote cardiovascular care. Patients securely register, monitor live vitals, and schedule appointments seamlessly. Smartwatch Integration enables real-time data collection, while secure payments via stripe SDK and detailed appointment history optimize the patient experience.

VABOT (VAB Token- Crypto Wallet):

- Utilized Web3j over Ethereum to introduce the VAB token, integrating it into the VABOT Crypto wallet app for seamless transactions. Enabled businesses to accept VAB tokens at kiosks, implemented staking via Web3j, and engaged users with token-powered rewards. Additionally, facilitated send/receive functionalities based on wallet addresses, while monitoring transaction statuses.

AirDoc-Flight Attendant (AI-based Health App):

Collaborated on a five-member team to develop a Flight Attendant app for tablets, which involved:

- Developed secure authentication features for enhanced user safety, integrated TensorFlow Lite SDK for local AI processing, introduced an online chat module for direct communication with doctors, and seamlessly enabled simultaneous management of multiple cases through API integration.

Scanify: Document Scanner (Tool):

- Streamlined user onboarding with efficient Google Sign-In authentication, integrated versatile document scanning capabilities for ID cards, documents, and book creation, implemented document management functionalities including sorting, deletion, and renaming, enabled seamless export of documents in PDF or image formats, and concluded with successful publication of the app for open testing.

Digital Mirror (App Usage Activity Tracker):

- Enhanced security through user/password authentication with AWT tokens, optimized data extraction and utilization via segregated resource management (camera, microphone, GPS) in the Data Reservoir Module, tracked data consumption based on active/background time and network activity, and visualized resource usage with informative linear bar chart visualization.

BlockFit App (NFT-based Health App):

- Executed seamless user authentication via JWT tokens, integrated Metamask through Connect SDK for wallet functionalities, established user profile setup within BlockFit App, developed Health Activities/Challenges and Minting Smart Contracts for tracking and rewarding user engagement, and empowered users to claim NFT rewards through token transactions, driving increased engagement.

Eva Wallet Project (Crypto Wallet):

- ⌚ Optimized user experience through enhanced security measures including email authentication and password encryption, streamlined contact management with integrated QR scanning and syncing, boosted engagement with efficient instant messaging, facilitated cryptocurrency transactions via a multi-currency wallet, and simplified navigation with an intuitive in-app dial menu.

Android Developer

Maximus Technologies Pvt, Islamabad

July 26th, 2021-April 20th, 2022

On-Site Job, Full-Time

Translate-Voice Translator App:

[Link](#)

As a developer, I worked closely with managers, designers, and operations to build great experiences.

- ⌚ Achieved 100k+ users on Translate-Voice Translator through excellent user experience and smaller size since March. Developed complex UI and code with robust design principles and integrated third-party APIs for multi-language text translation, expert voice conversation, fast camera translation, and instant language translation using the Kotlin framework. Resulting in a 50% increase in average content interactions per user, driving longer engagement and higher ad revenue.

Android Developer

Thrifty Technologies Ltd

Jan. 1st, 2021-Mar. 31st, 2021

Thrifty Retailer Prototype:

[Link](#)

- ⌚ Developed successful mobile application prototype for Thrifty Retailer Partners with improved product listing and image uploading operations through collaboration and implementation of key features such as bar-coded gem scanner and un-bar-coded gem image editor, and utilizing material design, single activity model with navigation component under MVVM, and agile methodology.

Junior Design Engineer - Android

Convsys Pvt. Ltd, Islamabad

Nov. 1st, 2019-August. 31st, 2020

Hybrid Job, Full-Time

GoMeat App:

[Link](#)

- ⌚ Reduced Home Scroll latency by 75% with efficient network responses through pagination. Achieved 1000+ users by fixing app crashes and addressing edge cases for a smooth user experience. Enabled user activation through restored Google Maps and social media login accounts.

GoMeat Driver App:

[Link](#)

- ⌚ Transformed 10+ screen designs into responsive UI using Material design. Improved business logic by 50% through code optimization and adding location-based task prioritization with Google Matrix Distance API.

Education

HITEC University Taxila

CGPA-3.67/4.00

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSCE)

2015-2019

Base College of Science and Commerce, Wah Cantt

68%

HIGHER SCHOOL SECONDARY CERTIFICATE (HSSC)

2013-2015

Cantonment Public School, Taxila Cantt

75%

SECONDARY SCHOOL CERTIFICATE (SSC)

2011-2013

Certificates

AI Product Manager Nanodegree Program, Udacity

March 25, 2021-Sept. 25, 2021

Bertelsmann Technology Scholarship Program

[Nanodegree Certificate](#)

Selected as one of 50k participants worldwide for this 8-month Product Management course focused on AI for developing AI technologies and features for personal use and business.

Overview of AI techniques applied in business industries.

Projects Completion:

Dates

- ⌚ Developed a Medical Image Data Annotation Job on Figure Eight's platform.
May 24, 2021
 - Handling data bias, unbalanced data, and data quality issues for a well-balanced dataset.
- ⌚ Built a Classification Model with Google AutoML, an automated machine-learning tool.
July 25, 2021
 - Training models, assessing performance using metrics like precision, recall, and F1 score.
- ⌚ Creating an AI Product Business Proposal under the important aspects of product development.
Sept. 25, 2021
 - End-to-end AI product development, measuring success, mitigating bias.