Muhammad Mubashar Khan

(+92) 348-9637040 | *mubasher9170@gmail.com* | *muhammad-mubashar-khan-a86728114* | Taxila, Punjab, Pakistan

Experienced Software Engineer with 3+ 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:

Kotlin, Java, C/C++, Python, SQL, JSON, Firebase, Espresso, Roboelectric, Android Jetpack Suite, Android SDK, AWS, GCP, Oracle, MySQL, SQLite, Room, Retrofit/Http/Volley, Glide, Hilt Dagger, RxJava, Coroutines, Google Services (Billing, Map, Matrix Distance, MLKit, Admob), FCM, One Signal, MVVM, MVP, Clean Architecture, OOP/SOLID Principles, Material Designs, Complex Layouts, Postman, Swagger, Sublime Text, Android Studio

Project Management and Collaboration Skills:

GitLab, Gradle, Git, GitHub, BitBucket, Windows, Linux (Ubuntu), Slack, Zoom, Google Meet, Trello, Jira, Confluence, Scrum, Kanban, Extreme Programming

Other Skills:

Continuous refactoring/testing, problem-solving, communication

Area of Interest:

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

Work Experience

Associate Software Engineer - Android
Sept. 8th, 2022-Present

Reactive Space Pvt. Ltd, Islamabad
On-Site Job, Full-Time

AirDoc-Flight Attendant:

Collaborated on a five-member team to develop a Flight Attendant app for tablets, which involved:
- Implementing secure authentication features.
- Integrating TensorFlow Lite SDK for local AI mode.
- Creating an online chat module for connecting with doctors.
- Enabling simultaneous management of multiple cases, all integrated seamlessly with APIs.

Scanify: Document Scanner:
- Accomplished efficient social authentication with Google Sign-In.
- Integrated document scanning for ID cards, documents, and book creation.
- Implemented document manipulation features such as sorting, deletion, and renaming.
- Enabled exporting documents as PDF or image formats.
- Successfully published the app for open testing.

Digital Mirror:
- Implemented the user/password authentication method by getting AWT tokens of registered users.
- Accomplished efficient data extraction and utilization by segregating resource usage (camera, microphone, and GPS location) in the Data Reservoir Module.
- Measured data consumption based on active and background time, as well as network activity.
- Visualized resource usage in a clear and informative linear bar chart format.

BlockFit App:
- Implemented the user/password authentication method by getting AWT tokens of registered users.
- Successfully integrated Metamask via Connect SDK for wallet functionality.
- Implemented user profile setup within the BlockFit App.
- Created Health Activities/Challenges and Minting Smart Contracts to track and reward user engagement.
- Enabled users to claim NFT rewards, as demonstrated by token transactions and user engagement.

Eva Wallet Project:
- Improved security with email authentication and password encryption, increasing user sign-ups.
- Streamlined contact management and boosted user engagement with integrated QR scanning and contact syncing.
- Enhanced real-time communication, driving increased chat usage through fast and efficient instant messaging.
- Facilitated digital currency and token transfers, leading to a transaction volume surge through a multi-cryptocurrency crypto wallet.
- Simplified navigation, reducing user confusion, with a user-friendly in-app dial menu.

Android Developer
July 26th, 2021-April 20th,2022

Maximus Technologies Pvt, Islamabad   *On-Site Job, Full-Time*

Translate-Voice Translator App: *Link*

⧗ I was a software engineer and 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   *1st Jan. 2021-31st Mar. 2021*
Thriftify Technologies Ltd   *Side Project*

Thriftify Retailer Prototype: *Link*

⧗ Developed successful mobile application prototype for Thriftify 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   *Nov. 1st, 2019-August. 31st, 2020*
Convsys Pvt. Ltd, Islamabad   *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.

Embedded System-Intern   *January 2019-May 2019*
HITEC UNIVERSITY TAXILA   *Department of Computer Engineering*

⧗ Developed a robust software architecture with clear communication protocols (SPI, I2C, Serial) for reliable data communication between heterogeneous sensors and a Basys MX3 PIC32 controller board. Built and tested a highly functional prototype embedded system that successfully extracted real-time data from sensors using interfacing techniques, C/C++, and IDE (MPLAB).

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   *Sept. 25, 2021*
development.
   ○ End-to-end AI product development, measuring success, mitigating bias.