Mohammed Akram Hussain

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I am a software engineer especially interested in building magical mobile experiences, scaling systems up, and shipping reliable applications.

WORK EXPERIENCE

StoreLab, Lead Android Developer   Jan 2022 – Present

London, United Kingdom
- Successfully migrated the MVP application to a production-ready app with Jetpack Compose and modular architecture while improving performance and scalability.
- Implemented automated pipelines to streamline the deployment of staging and production apps, resulting in efficient delivery of new features to over 15,000 users.
- Led sprint planning for the Android team to align with the company's OKRs, effectively scoping and delegating tasks to the appropriate developers on the team.
- Developed a KMM (shared) module to share common code across the existing Android and iOS codebases, reducing duplication and improving consistency.
- Built an automated system for publishing the KMM (shared) module, which can be easily integrated using the SPM framework for iOS and Maven library for Android, saving time and effort for the team.

Prophet Technology, Android Developer   Sept 2019 – Dec 2021

Newcastle upon Tyne, UK
- Designed and developed custom Storefront Android and iOS applications from scratch for businesses with WooCommerce website, resulting in highly personalized and effective mobile solutions.
- Proactively identified and resolved bugs in existing till and accounts software packages built with C# and .NET, resulting in improved stability and performance for users.
- Integrated new features into existing web applications, including WordPress, using a range of tools and technologies to improve their performance and usability.

Flytta Innovations, Android Developer   Jul 2018 – Aug 2019

Hyderabad, India
- Designed and built a TensorFlow model using ResNet, which was implemented in both Android and iOS mobile applications to detect and classify household items in real-time, thereby automating the relocation process.
- Collaborated with a team to develop an intuitive and secure IoT-based tracking device for delivery trucks, utilizing Android and iOS applications to provide real-time updates and insights for fleet managers.
- Contributed to the development and integration of new features in existing Android and iOS applications, utilizing a range of tools and technologies to ensure seamless integration and a high-quality user experience.

Mho & MessAI (Acquired by TrueCaller),   **May 2018 – June 2018**
Android Development Intern

Hyderabad, India
- Designed, developed, and implemented an intuitive and engaging UI/UX for an Android application, resulting in a highly usable and visually appealing product.
- Worked on enhancing the default SMS capabilities of a B2C product (Mho Android App), using a range of tools and technologies to improve performance and user experience.
- Conducted user research and usability testing to gather feedback and insights, which were used to inform the design and development process and ensure that the application met the needs of its target audience.

EDUCATION

MSc Advanced Computer Science with   **Sept 2021**
Advanced Practice
Northumbria University

B.Tech Computer Science and Engineering   **May 2018**
Jawaharlal Nehru Technological University
(JNTUH)

PERSONAL PROJECTS

Ocular Disease Detection using AI - *Android Application*
- Developed models to detect Glaucoma by segmenting the optic disk and optic cup, which are key indicators of the disease.
- Conducted extensive testing and evaluation to compare the efficiency of various models developed, using a range of metrics to determine the accuracy, speed, and robustness of each model.
- Documented the development process, including the techniques and tools used, and presented the project at conferences and other professional events.

Emotion Based Music Player using AI - *Android Application*
- Developed an Android application that utilized an emotion recognition model to detect user emotions and generate a music playlist based on those emotions, resulting in a unique and engaging user experience.
- Developed an algorithm that mapped user emotions to a music genre, enabling the application to generate personalized playlists that matched the user's mood and preferences.

TECHNICAL SKILLS

Languages: Kotlin, Java, Swift, Ruby, Python

Technologies: Android, Kotlin Multiplatform, iOS, TensorFlow, Git, Fastlane

Other: Data structures and algorithms, TDD, Agile

CERTIFICATIONS

Android Developer Nanodegree
By Udacity

Associate Android Developer
Certified by Google