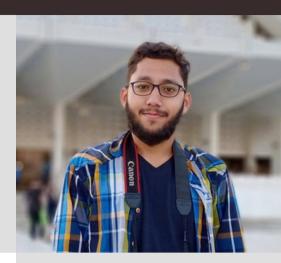# HAMZA KHAN

STAFF SOFTWARE ENGINEER

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LinkedIn | Medium | Github | Stackoverflow

PROFILE

Senior Software Engineer and Engineering Coach with 8+ years' expertise in mobile app and REST API development. Proven track record enhancing UI/UX through collaboration with UX teams. Certified from Google in 'Associate Android Engineering program' and from JetBrains in 'Kotlin'

WORK EXPERIENCE

STAFF SOFTWARE ENGINEER   Jan 2022 – Present
Bazaar Technologies, Pakistan

- Developed and maintained REST APIs, using Spring Boot microservices architecture, to integrate the mobile app with backend services.
- Coached and mentored junior engineers through pair programming and code reviews, improving code quality and delivery time.
- Collaborated with the UX team to enhance the user interface and user experience of the mobile app, resulting in a 25% increase in user engagement.
- Followed Agile methodologies and best practices to ensure code quality, scalability and reliability.
- Identified technical risks and proposed mitigation strategies, to ensure the long-term success of the mobile app.

LEAD SOFTWARE ENGINEER   Jun 2022 – Dec 2022
Bazaar Technologies, Pakistan

- Led a team of Engineers to build apps supporting Fleet and Facility operations.
- Developed Warehouse, Rider, and LiveOps apps to improve operational efficiency, resulting in a 80% decrease in cost.
- Collaborated with cross-functional teams to define and execute project milestones.

SENIOR SOFTWARE ENGINEER   Dec 2020 – June 2021
Bazaar Technologies, Pakistan

- Built and maintained e-commerce Android apps for Bazaar.
- Conceptualized and implemented tech solutions to support business needs.
- Improved the architecture of the app by introducing MVVM and MVI patterns, resulting in better code maintainability and scalability.

EXPERTISE

Engineering Coaching

Android SDK/Framework

Software Crafting

Mobile app architectures (MVVM, MVI, MVP, Clean, MVRx)

Kotlin

Java

EDUCATION

BS in Electronics Engineering
Sir Syed University of Engineering and Technology, Pakistan
2012-2015

CERTIFICATIONS

KOTLIN FOR JAVA DEVELOPERS
Courser, powered by IntelliJ

ASSOCIATE ANDROID DEVELOPER
Google

PAST WORK EXPERIENCE

SENIOR ENGINEER (REMOTE)
Gaditek, Pakistan

Apr 2020 - Dec 2020

- Worked Remotely as a Senior Android Developer.
- Developed and maintained Android VPN SDK for Android.
- Provided Network and Inventory libraries support to in-house products and other clients.
- Followed agile methodology on JIRA.
- Used GitFlow branching model for well suited collaboration with the development team.

ANDROID ENGINEER
TekRevol, Pakistan

May 2019 - Apr 2020

- Successfully implemented CI/CD flow with GitLab, Jenkins, and Slack.
- Integrated MVVM architecture using Kotlin instead of Java.
- Utilized Android Jetpack architecture, incorporating LiveData, Kotlin Coroutines, Kotlin Extensions, and Room Database.
- Developed reusable modules and libraries for future projects.
- Created a feature-rich music and video player app following ExoPlayer2 protocols, including support for encrypted media with WideVine DRM licensing.
- Developed a voice-controlled Android Tablet app called PPH (Postpartum Hemorrhage) for a UCSF pilot program in rural areas of Africa. Utilized Google's Text-To-Speech and Speech-To-Text libraries to enhance functionality and save mothers' lives during birth.

PROGRAMMER ANALYST - MOBILE APPLICATION
The Aga Khan University Hospital, Pakistan

Jan 2017 - Apr 2019

- Developed and maintained four mobile applications: Patient Portal, Physician Portal, Employee Assessment Portal, and Patient Bedside Display.
- Led end-to-end development, including UI design, using Java, XML, and Android SDK.
- Integrated Google Play services and Firebase Push notifications on server and client sides.
- Conducted unit testing, debugging, and optimization for multiple Android targets.

APPLICATION AND ROBOTICS ENGINEER
Rastek Technologies, Pakistan

Sep 2016 - Jan 2017

- Demonstrated software and hardware equipment and solutions to firms and universities, ensuring smooth installation and operation.
- Conducted training, seminars, and workshops on Abilix Educational Robots.
- Provided in-house training to sales and support engineers.