

Shah Nizar

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Professional Summary

I am a highly skilled Software Engineer with over 5 years of comprehensive experience in software development, specializing in mobile application development for more than 4 years. Proficient in Java and Kotlin languages for Android Development, I possess a proven track record of creating innovative and efficient mobile applications. Additionally, I excel in API development using PHP and remain up-to-date with the latest advancements in Android technologies. My commitment to delivering high-quality solutions and my expertise in cutting-edge development tools make me a valuable asset to any team.

Education

BUIITEMS University

Bachelor of Science (BS) in Software Engineering

Experience

Sr. Android Developer

04/2023 - Present

Glucorx – (United Kingdom)

- Proficient in Kotlin, utilizing it as the primary programming language for Android application development.
- Extensive experience with Dagger Hilt for efficient dependency injection, ensuring maintainability and scalability of codebases.
- Adept at implementing the Model-View-ViewModel (MVVM) architectural pattern to enhance code organization, separation of concerns, and code testability.
- Utilize Kotlin Flow to facilitate reactive programming, allowing for more seamless data handling and UI updates.
- Skilled in creating responsive user interfaces that adapt seamlessly to various screen sizes and orientations, providing an optimal user experience across multiple devices.
- Extensive experience in working with BLE devices, utilizing Bluetooth features to establish seamless connections between Android devices and various peripherals.
- Proficient in handling both latest and older Android devices, ensuring backward compatibility for broad user accessibility.
- Implemented robust encryption and decryption mechanisms to secure data transmission between Android devices and BLE peripherals, safeguarding sensitive information.
- Successfully integrated various sensors with BLE devices, enabling background data gathering and real-time monitoring of sensor data on Android applications.
- Conducted testing and debugging to ensure reliable hardware integration with Android applications.
- Adept at leveraging the latest Android SDKs and APIs to capitalize on the capabilities of contemporary BLE technologies, ensuring seamless integration of features and functionalities that enhance patient care and healthcare workflows.

- Demonstrated ability to work closely with interdisciplinary teams including hardware engineers, software developers, and medical professionals, facilitating effective communication and collaboration to deliver comprehensive solutions.
 - Proficiently applying Agile methodologies, particularly excelling in the Scrum framework.
 - Optimizing battery consumption and resource utilization within Android applications while maintaining a high level of BLE connectivity performance, essential for prolonged device usage and medical applications.
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Sr. Android Developer

08/2021 – 04/2023

King Revolution Pvt Ltd – (United States)

- Successfully developed the Slickcall ([Link](#)) product from inception to a fully functional application using Kotlin, and Jetpack Components Android.
 - Designed and implemented the initial architecture of SlickCall, writing the first line of code and setting the project's technical direction.
 - Expertise in implementing VOIP calling functionality, ensuring seamless communication capabilities for users using PortSip.
 - Provided valuable consultancy to the team, offering guidance and insights to optimize development processes and overcome challenges.
 - Integrated quality gates into the CI/CD process, ensuring code quality and minimizing errors.
 - Collaborated with cross-functional teams to establish and maintain efficient development and deployment workflows.
 - Mentored and guided fellow developers, instilling best practices and driving continuous improvement in code quality and app performance.
 - Conducted regular workshops and knowledge-sharing sessions to keep the team updated with the latest trends and advancements in Android development.
 - Collaborated closely with cross-functional teams to ensure seamless integration of features, resulting in a cohesive and user-friendly app experience.
 - I conducted thorough code reviews, implemented efficient coding patterns, and optimized performance to create an app that not only met user expectations but exceeded them.
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Android Developer

01/2021 – 08/2021

Taj Company Pvt Ltd - (Lahore)

- Developed multiple products for the company, some products have more than 500k+ downloads in the play store. Link: <https://play.google.com/store/apps/dev?id=6698113424250109082>
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Android Developer

03/2017 – 08/2020

Freelancing - (Remote)

- 🎓 Educational apps
- 🏥 Pioneering Medical Apps
- 🛒 Empowering eCommerce apps

Personal Projects

- **Slickcall** - (VOIP Calling) (Kotlin) - [Link](#)
- **Zaanth** - (Education App) – (Java) - [Link](#)
- **Migraine Pal** - (Medical App) (Java) - [Link](#)
- **Taj Company Apps** - (Islamic, Book Related Apps) (Java) - [Link](#)
- **Quetta Tasker** - (Service Provider App) (Java)
- **GlucorX BioXensor** - (BLE Sensor Device App) (Kotlin)
- **Fori Fixer** (Java) & more...

Skills

Android Development

- **Programming Languages:** Proficiency in Kotlin, Java and Groovy for Android development.
- **Android Studio:** Extensive experience with Android Studio, Android SDK, Gradle, and Android architecture components.
- **Architecture & Design Patterns:** MVC, MVP, and MVVM architecture models.
- **Dependency Injection:** Dagger Hilt
- **Concurrency & Asynchronous Programming:** Kotlin Coroutines, RxJava
- **Networking & API Communication:** RESTful and GraphQL APIs and experience with third-party libraries and APIs such as Retrofit, OkHttp
- **Database:** SQLite, Realm, Room Database etc.
- **User Interface:** Data Binding, View Binding, XML, Jetpack Compose and Deep understanding of Android UI/UX design principles and Material Design guidelines.
- **Background Processing:** Foreground and Background Services, Work Manager, Alarm Manager
- **Notifications:** Push Notifications, Customer IO Notification etc.
- **Navigation:** Navigation Component using Single Activity and multiple fragments.
- **Bluetooth Low Energy (BLE):** Device Communication
- **Voice Over Internet Protocol (VOIP):** PortSip, PJSip
- **Security & Encryption:** Crypto Encryption (CCM, AES, RSA, ECC)
- **Location & Mapping:** Locations & Google Maps SDK
- **Mobile Sensors & Sensor Fusion:** Gyro, Step Counter etc.
- **Weather Data Integration:** Weather Forecasting
- **Continuous Integration & Continuous Deployment (CI/CD):** CI/CD
- **Unit & UI Testing:** JUnit, Espresso
- **Software Design Principles:** SOLID PRINCIPLES
- **Version Control:** GitHub, GitLab, GitBucket

Software Engineering

- **Version Control:** Proficiency in using version control systems like Git to manage and track changes in code repositories.
- **Testing and Debugging:** Skill in writing unit tests and performing debugging to ensure the reliability and quality of software.

- **Agile Methodologies:** Familiarity with Agile practices such as Scrum or Kanban for efficient project management and collaboration.
 - **DevOps:** Understanding of DevOps practices, including continuous integration and continuous delivery (CI/CD) pipelines for automating software development and deployment processes.
 - **Security:** Awareness of security best practices and the ability to implement security measures to protect software and data.
 - **Problem-Solving:** Strong analytical and problem-solving skills to identify and resolve software issues efficiently.
 - **Teamwork:** The ability to work collaboratively in a team environment, sharing knowledge and contributing to group goals.
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Other Languages & Tools

- **ProtoBuf:** Implemented ProtoBuf for cross-language communication between various components of the system.
- **PHP:** Strong command of PHP for backend web development and API creation.
 - Developed RESTful APIs using PHP for seamless data communication between the frontend and backend.
 - Integrated PHP with databases like MySQL for data storage and retrieval in web applications.
- **Machine Learning:** Familiarity with machine learning concepts and frameworks, including TensorFlow and scikit-learn.
 - Applied machine learning algorithms to analyse user data and improve recommendation systems.
 - Collaborated with data scientists to implement predictive models for user behaviour.
- **Jira:** Proficient in Jira for project management and issue tracking.
 - Utilized Jira to create and manage project tasks, facilitating collaboration among team members.
 - Tracked project progress, identified bottlenecks, and ensured timely issue resolution.
- **Slack:** Experienced in using Slack for real-time team communication and collaboration.
 - Integrated Slack bots and notifications to automate routine tasks and updates.
- **MixPanel & CustomerIO:** Proficient in CustomerIO and MixPanel for personalized email marketing campaigns, customer engagement and tracking user engagement.
 - Designed and executed targeted email campaigns based on user behaviour and preferences.
 - Utilized automation features to enhance user onboarding and retention.

Achievements

- **Top Freelancer in Pakistan (2020) by PSEB (Pakistan Software Export Board):**
 - Recognized as the top freelancer in Pakistan by the prestigious Pakistan Software Export Board (PSEB) in 2020.
 - Demonstrated exceptional freelance skills, consistently delivering high-quality projects to clients globally.
- **Recipient of University's Best Project Award and Selection by Ignite, Pakistan:**
 - The project was selected by Ignite, Pakistan, a national technology fund, signifying its potential for driving innovation and contributing to Pakistan's technology landscape.
 - Collaborated with a multidisciplinary team to develop and present the project, highlighting strong teamwork and project management skills.
 - Demonstrated the ability to translate academic knowledge into real-world solutions with societal impact.