# Ramnikhil

## Summary

Experienced Native Android Developer with 5+ years of expertise in developing high-performance, user-centric mobile applications. Proficient in Java, Kotlin, and modern Android technologies, with a strong background in MVVM architecture, RESTful API integration, and app performance optimization. Skilled in unit testing and UI automation, with a track record of increasing user engagement and reducing app latency.

## SKILLS

* **Android Development**: Java, Kotlin, Android SDK, Android Studio, Jetpack Compose, MVVM, MVC
* **Android Libraries**: Retrofit, Room, Dagger, LiveData, Coroutines, Jetpack components
* **UI/UX**: Material Design, Custom Views, Responsive Layouts
* **Testing & QA**: JUnit, Espresso, UI Automator, Mockito, Robolectric, TDD
* **Version Control & CI/CD**: Git, Azure DevOps, Jenkins
* **Database & Storage**: SQLite, Room Database, Firebase
* **API Integration:** RESTful APIs, JSON parsing
* **Hybrid Development**: Ionic Framework, Cordova (for cross-platform expertise)
* **Agile Methodologies**: Scrum, Jira

## WORK EXPERIENCE

### Android Developer Derex Technologies, New Jersey, US *September 2023 - Present*

* Spearheaded the Android App development using **Java**, **Kotlin**, and **Jetpack Compose**, delivering high-performance, user-centric mobile apps on tight deadlines.
* Integrated **REST APIs** with **Retrofit**, increasing user engagement by 50% through efficient data handling.
* Optimized local data management using **Room Database** and **SQLite**, reducing storage consumption by 25% and improving app responsiveness.
* Leveraged **Coroutines** and **LiveData**for **asynchronous** tasks, reducing UI latency by 20%.
* Improved code quality through **Unit Testing** and **Integration Testing** using **JUnit**, **Espresso**, and **Mockito**, achieving 90% test coverage and reducing critical bugs.

### Collaborated in an ****Agile**** environment, managing the code with ****Git**** and reducing release time by 30%.

### Android Engineer GEP (Client: BOFA), New Jersey, US *July 2022 - December 2022*

* Automated Androidtest cases using **Espresso** and **UI Automator**, reducing manual testing efforts by 30%
* Designed and developed comprehensive **test suites**with**JUnit, Mockito**, and **Robolectric**, decreasing bug reports by 40%.
* Managed and deployed cloud-based testing environments on **Azure**, improving app scalability and security by 20%
* Integrated **Git** with **Azure DevOps**for**Continuous Integration (CI)** pipelines, reducing release time by 25%.

### Mobile Application Developer Fluent Grid, Visakhapatnam, India *February 2021 - December 2021*

* Developed hybrid mobile apps using **Java, Kotlin**, **Ionic Framework (Cordova)**, **JavaScript**, and **Angular**, for utility companies, reducing transaction times by 40%.
* Reduced **Gradle build** time by 30**%** by optimizing build configurations, enabling faster deployment cycles.
* Improved data synchronization using **SQLite**, and **REST API integration**, improving response times by 30%
* Applied the **MVC design pattern** reducing code maintenance time by 20%.
* Developed front-end interfaces with **HTML, CSS**, and **JavaScript**, enhancing the user experience by 35%.

### Integrated ****JSON parsing**** for efficient data handling, resulting in a 15% improvement in data accuracy.

### Android Developer KVS Infotech, Visakhapatnam, India *May 2018 - December 2020*

* Led full Android app development lifecycle using**Java, Kotlin, XML**, and **Android Studio**, achieving 95% user satisfaction.
* **Optimized Gradle build time by 40%** through parallel execution and build cache configuration.
* Integrated secure **RESTful APIs** and **Google APIs**, increasing user retention by 15%
* Implemented **Room Database** for efficient data persistence, improving app performance by 25%.
* **Utilized Dagger for dependency injection**, improving code scalability and enabling modular architecture by 40%.

**PROJECTS AND ACCOMPLISHMENTS**

* [**Baby Doll**](https://babydollproject.blogspot.com/2018/03/link-to-project-httpsdrive.html) (Offline Voice assistant)- Designed an offline voice assistant using **C#** and **FIFO queues**, inspired by Cortana.
* Banking Loan App (Android) - Developed as a freelance project, this application targets individual borrowers, featuring seamless **SQLite integration** for data management and the **MVC** pattern for streamlined processing.
* Developed Android application using **MVVM Design Pattern** for a Quiz and vehicle tracking application using **Java, SQLite,PHP,**and **XML**ensuring smooth functionality and optimal performance.
* [**Android Games and Browser/other games**](https://www.coroflot.com/RamNikhilPalasetty): Programming Language Tools used: **C#**,**XML, Firebase** and **Unity**

## EDUCATION

* ***MS in Computer Science***  
  New Jersey Institute of Technology, Newark, USA *May 2023*

***Bachelor of Technology in Computer Science***   
KIET Group of Institutions, Kakinada, India *May 2018*