Raghav Satyadev

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EXPERIENCE

Freelance Android Developer December 2023 – Present

Self-Employed Remote

- Launched an open-source Android project template, reducing onboarding time by 50+ hours and improving best practices.
- Trained AI models for Android and Python at micro1, created documentation improving efficiency for 700 developers.
- Contributed to open-source projects like *adb-idea* and *first2apply*, resolving critical issues affecting 2000+ developers.

Senior Software Developer/Team Lead March 2022 – October 2023

Programming.com Gurgaon, Delhi, India (Remote)

- Built a Wi-Fi configuration solution for a leading printer company, reducing connection errors by 95%.
- Integrated IoT devices (CCTV, smart plugs, bulbs) into Android apps, achieving sub-10 second device pairing.
- Developed clean Flutter templates, reducing code duplication by 50% and development time by 10%.
- Presented weekly to guide the team with coding practices, IDE shortcuts, and scripting tools to increase productivity and efficiency further.

Co-Founder/Lead Developer November 2018 – October 2020

iCodeAnalyst Rajkot, Gujarat

- Co-founded a service-based startup specialising in mobile and web application development with a team of five developers in Android, iOS, backend, and frontend technologies.
- Coded an ML-powered e-commerce search engine enabling image-based product detection (70% accuracy at 5m distance).
- Built an Android-based data collection app for nurses in Mali, helping analyze newborn mortality rates. This collected 1900+ records over a 1.5-year period.
- Directed client acquisition and project execution across EdTech, HealthCare, and News sectors, increasing clients by 150% in 18 months.

Software Developer August 2016 – October 2017

Infibeam.com Ahmedabad, Gujarat, India

- Made 9 Android applications with custom-made features using the EdX open-source platform, improving user engagement.
- Standardized Android architecture patterns in company with project templates containing utils and folder structures, reducing team conflicts/efforts by 35%.

PERSONAL PROJECTS

SimpleCricketUmpireScorer | *Android, Kotlin, Room Database, Firebase* December 2024 – Present

- Open-sourced an Android application that increased cricket scoring efficiency by 40% through intuitive increment and decrement buttons for runs, balls, and wickets, emulating a physical tally counter.
- Included local data persistence using Room Database, ensuring offline functionality and data integrity.
- Enabled real-time updates and seamless data sharing via Firebase synchronization.
- Designed a feature allowing users to share live match data via unique links or QR codes, enhancing accessibility for remote viewers.

BulkYoutubeSearch | *Android, Kotlin, YouTube Data API* November 2024 – Present

- Designed an Android app that processes JSON music titles, searches YouTube, and generates a playlist.
- Integrated functionality to automatically generate YouTube playlists from the search results, enhancing user experience by streamlining media organization.

SundaramGold | *Android, Kotlin* October 2023 – Present

- Initiated an Android application to streamline housing society management by providing features such as CRUD operations for family members, vehicles, pets, and flat ownership.
- Added robust search functionalities, enabling users to locate family contacts and vehicles within the society.

- Designed the application architecture with scalability in mind, facilitating future enhancements and support for additional platforms.
- Integrated modern Android development practices, including Jetpack components, to ensure a responsive and user-friendly interface.
- Engaged in continuous testing and user feedback integration to iteratively improve application performance and usability.

MoreApps Library | *Android, Kotlin, GitHub Actions*   December 2018 – Present
- Developed an open-source Android library enabling developers to showcase other applications within a single app interface, enhancing cross-promotion and user engagement.
- Integrated a force update feature, allowing developers to prompt users to update to the latest app version, ensuring access to the most recent features and security patches.
- Implemented continuous integration and deployment pipelines using GitHub Actions, automating build processes and ensuring code quality.
- Maintained documentation and supported developers for smooth adoption.

Technical Skills

Frameworks: Android, Flutter, Node.js, Laravel
Languages: Kotlin, Java, Dart, JavaScript, PHP, MySQL, NoSQL
Development Tools: Android Studio, VS Code, IntelliJ, Git, Photoshop
Cloud & DevOps: Google Cloud, Firebase, IoT
Testing & Automation: Unit Testing, CI/CD, Jenkins, GitHub Actions
Common Libraries: Android Jetpack, TensorFlowLite, Edx, RxJava, Coroutines, Google Maps, Material UI, Rest APIs, Ktor, Coil, Glide, Room, WorkManager, Jetpack Navigation
Firebase Libraries: Authentication, Firestore, RealTime Database, Functions, Hosting, Storage, In-App Messaging, FCM, Crashlytics, Admob, AppCheck, Machine Learning
Architectures: MVVM, MVI, MVC, Clean Architecture
Methodologies: Agile, Scrum

Education

Gujarat Technological University   Gujarat, India
Bachelor of Engineering in Computer Science   *June 2012 – April 2016*