

# Raghav Satyadev

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## EXPERIENCE

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### Freelance

December 2023 – Present

*Self-Employed*

*Remote*

- Developed and integrated Android applications, enhancing mobile-specific platform capabilities with innovative technology.
- Established an open-source Android project template on GitHub, reducing project startup time by 50%.
- Delivered prototypes and proofs of concept for client innovations.
- Contributed to open-source projects via GitHub through pull requests and issue resolutions.

### Senior Software Developer/Team Lead

March 2022 – October 2023

*Programming.com*

*Gurgaon, Delhi, India (Remote)*

- Led teams to deliver high-profile Android and IoT solutions, spearheading multiple innovative projects.
- 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.
- Created Flutter code templates following clean architecture principles, enhancing scalability.
- Improved team productivity with coding guidelines, IDE shortcuts, and scripting tools.

### Co-Founder/Lead Developer

November 2018 – October 2020

*iCodeAnalyst*

*Rajkot, Gujarat*

- Co-founded a service-based startup focused on mobile and web application development.
- Developed 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.
- Oversaw client acquisition efforts and project execution across domains including EdTech, Health, and custom software.

### Software Developer

August 2016 – October 2017

*Infibeam.com*

*Ahmedabad, Gujarat, India*

- Developed Android applications using the EdX open-source platform, improving user engagement.
- Standardized Android architecture patterns, reducing cross-team conflicts by 35%.
- Directed the development of educational and logistical apps (StudyByTech, Entuze, CoCarrier).

## PERSONAL PROJECTS

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### SimpleCricketUmpireScorer | *Android, Kotlin, Room Database, Firebase*

December 2024 – Present

- Developing an intuitive Android application that facilitates cricket scoring through simple increment and decrement buttons for runs, balls, and wickets, emulating a physical tally counter.
- Implemented local data persistence using Room Database, ensuring offline functionality and data integrity.
- Integrated Firebase for periodic data synchronization, enabling real-time updates and seamless data sharing across devices.
- Designed a feature allowing users to share live match data via unique links or QR codes, enhancing accessibility for remote viewers.
- Conducting ongoing user testing and feedback integration to refine the user interface and expand application features.

### BulkYoutubeSearch | *Android, Kotlin, YouTube Data API*

November 2024 – Present

- Currently developing an Android application that processes a JSON file containing music titles, searches the YouTube Data API for corresponding videos, and compiles the results into a curated playlist.
- Implementing efficient parsing algorithms to handle large datasets, ensuring rapid and accurate retrieval of YouTube content matching user-provided titles.
- Integrating functionality to automatically generate YouTube playlists from the search results, enhancing user experience by streamlining media organization.

- Using OAuth 2.0 for secure authentication, adhering to YouTube API usage policies and protecting user data.
- Conducting comprehensive testing to validate application performance across various Android devices and OS versions, ensuring broad compatibility and reliability.

### **SundaramGold** | *Android, Kotlin*

October 2023 – Present

- Developing an Android application aimed at streamlining housing society management by providing features such as CRUD operations for family members, vehicles, pets, and flat ownership.
- Implemented robust search functionalities, enabling users to efficiently locate family contacts and vehicles within the society.
- Designed the application architecture with scalability in mind, facilitating future enhancements and support for additional platforms.
- Utilized 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 their 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 they have access to the most recent features and security patches.
- Published the library on Maven Central, simplifying the integration process for other developers and broadening its accessibility.
- Implemented continuous integration and deployment pipelines using GitHub Actions, automating build processes and ensuring code quality.
- Maintained comprehensive documentation and provided ongoing support to the developer community, facilitating seamless adoption and integration of the library.

## TECHNICAL SKILLS

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**Frameworks:** Android, Flutter, Node.js, Laravel

**Languages:** Kotlin, Java, Dart, JavaScript, PHP, MySQL, NoSQL

**Developer Tools:** Android Studio, Visual Studio Code, IntelliJ IDEA, Git, Jenkins, Google Cloud Platform, Photoshop, CI/CD, IoT, Unit Testing

**Common Libraries:** Android Jetpack, TensorFlowLite, Edx, RxJava, Coroutines, Google Maps, Material UI, Rest APIs, Ktor, Coil, Glide, Room, WorkManager, Jetpack Navigation

**Firestore 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

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**Gujarat Technological University**

*Bachelor of Engineering in Computer Science*

Gujarat, India

*June 2012 – April 2016*