

# Raghav Satyadev

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## EXPERIENCE

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### Freelance

December 2023 – Present

*Self-Employed*

*Remote*

- Crafted & integrated Android applications, enhancing mobile platform capabilities through innovative technology.
- Established an open-source Android project template on GitHub, reducing project startup time by 50%.
- Led Android development projects, delivering prototypes and proofs of concept to validate client innovations.
- Contributed regularly to open source projects on Github by pull requests and issues.

### Senior Software Developer/Team Lead

March 2022 – October 2023

*Programming.com*

*Gurgaon, Delhi, India (Remote)*

- Spearheaded multiple high-profile projects, guiding teams to deliver innovative solutions for major clients.
- Enhanced client relationships through effective communication and precise project estimations, consistently exceeding expectations.
- Improved code quality by developing comprehensive guidelines and sharing productivity-enhancing techniques, including 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.
- Oversaw client acquisition efforts and project development, handling Android and Flutter solutions.
- Managed a small team, ensuring project deliveries and technical implementation.
- Executed projects across domains, including EdTech, Health, and custom software solutions.

### Software Developer

August 2016 – Oct 2017

*Infibeam.com*

*Ahmedabad, Gujarat, India*

- Created Android applications using EdX open-source platform, enhancing app functionality and user experience.
- Standardized Android architecture patterns, resulting in cohesive coding frameworks that improved team collaboration and reduced cross-functional project conflicts by 35%.
- Directed the development of educational and logistical apps, including StudyByTech, Entuze, CoCarrier, and Transport On Demand, tailoring solutions to meet specific client needs.

## PROJECTS

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### Printer IoT | *Flutter, Android, iOS, IoT, CI/CD*

July 2022 – July 2023

- Led a team of 10 to develop a Wi-Fi configuration solution for A big brand printers company, reducing connection errors by 95%.
- Conducted on-site workshops with clients in the Philippines to build and maintain Jenkins Build Server and present the initial project timeline.
- Created and updated Flutter code templates to align with clean architecture principles, enhancing code maintainability and scalability.

### Home Appliances IoT | *Android, Kotlin, IoT*

March 2022 – August 2022

- Directed a team of Android developers to integrate IoT devices, including CCTV cameras, plugs, and bulbs, into a mobile application, achieving device connections within 10 seconds.
- Facilitated communication between clients and the Tuya SDK team, ensuring alignment of requirements and swift resolution of technical challenges.
- Engineered custom features and ensured robust integration of IoT devices on the Android platform.

### E-Commerce ML | *Android, Java, Machine Learning, TensorFlowLite*

August 2020 – April 2021

- Built an Android application enabling users to search for clothing items by pointing their camera at similar-looking items, achieving a 70% success rate in detecting a T-shirt from a 5-meter distance without zoom.
- Enhanced detection speed by 20% through parallel processing using RxJava.

- Integrated on-device machine learning models for live detection, enhancing user experience.

#### **Data Gathering App** | *Android, Java, Firebase*

July 2019 – June 2020

- Designed an application for nurses in Mali to collect detailed reports on delivery conditions, aiding in identifying causes of high newborn mortality rates.
- Processed and analyzed collected data to generate insightful analytics, displayed in a dedicated admin application.
- Provided valuable information to healthcare professionals, assisting in developing strategies to reduce newborn mortality rates.

#### 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

**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

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**Gujarat Technological University**

*Bachelor of Engineering in Computer Science*

Gujarat, India

2012 – 2016