

BALAJI MANIKANDAN

Lead Software Engineer - Mobile (HealthifyMe)

Bengaluru KA

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PROFESSIONAL SUMMARY

Lead Mobile Engineer with **9+ years** of experience building scalable Android applications used by **millions of users**. Specialized in **Kotlin, Jetpack Compose**, Mobile Architecture, **React Native (Expo)**, **AI-powered** experiences, and **HealthTech** platforms. Proven track record of delivering revenue-impacting features, leading engineering teams, and driving mobile innovation at scale.

SKILLS

Jetpack Compose, MVVM, Java, Kotlin and other latest Frameworks

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GPT Vision, OpenAI Live Voice, Google ML Kit (Barcode, OCR etc.), On device LLMs like Gemma etc.,

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Smart scale, CGM, BLE Beacons etc

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Mediapipe, ExoPlayer, Retrofit, Room DB etc.

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Play store Publishing, CI/CD Pipelines and Third party SDK integration

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React Native, Expo, Brownfield, Custom RN-Native Bridges

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WORK HISTORY

04/2019 to Current **Lead Software Engineer**

HealthifyMe – Bangalore, India

App Name: **Healthify (10 Million+ Downloads + Editor Choice app)**

Role Objective:

- As a Lead Mobile Developer with experience in different verticals such as Growth, User Engagement, Pro and others. Have integrated many core functionalities like Payments, Growth A/B experiments, Smart devices and Many more which directly impacts company's revenue and business.

Few Core Features that I Contributed:

- Snap Feature powered by **GPT vision** . Collaborated directly with **OpenAI** (<https://openai.com/customer-stories/healthify>),
- Led **brownfield React Native (Expo)** adoption across existing Android and iOS applications, defining architecture, native bridges, release pipelines, and production rollout strategy.
- Implemented **on device LLMs** like **Gemma** to support offline features.
- Local **TensorFlow ML** model to detect food, **OCR** etc,

- GPT based chat with **SSE** (Server Side Event),
- Led implementation of **payment gateway** integrations supporting subscription purchases and revenue-generating transactions across millions of users.
- Developed and launched multiple growth experiments and A/B tests that contributed to subscription conversion optimization.
- Order management (creating orders with address collection),
- Smart devices like **Smart Scale** and **CGM** ,
- Trackers like Medicine, Water etc,

Responsibilities (other than Programming):

- Collaborate with PM's and design team to understand **Business need** and give **Tech solutions** ,
- Leading a team of junior developers and interns on technical and product development.
- Exploring new tools and sharing insights with the team on integrating them into existing development workflows.
- Collaborate / Negotiate with **third party** vendors for **SDK** and other tools,
- **Application Publishing** and Maintaining.
- Designed, coded, tested, debugged and documented programs using agile development practices.

07/2017 to 04/2019

Senior Android Developer

SchoolCom – Bangalore, India

Role Objective:

- As single Android developer, Created 2 core Business Android applications from scratch and successfully published on Playstore.

Application's Core Features:

- Live Vehicle Tracking System
- Chat with Multimedia support
- News feed (Posting, Comment, Like etc)
- Full Offline support

06/2016 to 06/2017

Android Developer

Hyperkonnnect Technologies – Bangalore, India

Role Objective:

- As Android developer, Created 2 core Business Android applications from scratch and successfully published on Playstore.

Application's Core Features:

- Location based Store locator,
- Bluetooth Beacon based points system,
- User Finance verification with Bank API's and Aadhar.

EDUCATION

06/2013 to 06/2016 **Master of Computer Applications: Computer Applications Development**
Kumaraguru College of Technology - Coimbatore

06/2010 to 06/2013 **Bachelor of Science: Physics**
Syed Ammal Arts And Science College - Ramanathapuram, Tamil Nadu.

OTHERS

- **Rewarded** under **Meta's Bug Bounty Program** for discovering a vulnerability in **Instagram's Android app**.
- Done few contribution like integrating third party Chat support to **IOS app** in Current Organization.
- Done Multiple R and D's on **LLMs** and **on device LLMs** from scratch.
- Hands on Hobby Exp on **Gen AI Models** , Created multiple assistants for own purpose using Open source models like **LLMA** , **Stability AI** etc using **Python**.
- Had a website to teach basic Android development from year 2016 - 2018.
- As hobby tried different tech like **IOS app development**, **Website development** with Hosting etc.
- Developed multiple **SwiftUI** applications to gain hands-on experience with iOS development patterns and platform architecture.
- Hands on Experience on Cross Platform apps with **KMP** and **Flutter**.