



Rajiv Manivannan

Senior Technical Consultant

Android (Kotlin) / iOS (Swift) / Flutter

Mobile: +91 -9894884498

Email: rajivmanivannan@gmail.com

Github: <https://github.com/rajivmanivannan>

LinkedIn: <https://www.linkedin.com/in/rajivmanivannan>

SUMMARY

A passionate mobile engineer with over a decade of extensive expertise in complete development of native and cross platform mobile applications. Worked on Agile methodologies in software product development, utilizing Scrum and Kanban frameworks to drive efficient and collaborative project execution in diverse domains.

SKILLS

Android, Kotlin, Jetpack Compose, iOS, Swift, SwiftUI, Flutter.

DOMAINS

Product Development, Video Streaming, ChatBot, IoT, e-Commerce, Wearables, Automotive, Virtual Reality, Asset and Facility Management.

WORK EXPERIENCE

Senior Technical Consultant, Tarkalabs, Chennai, India - 2016 - Present

Tarkalabs provides premier consulting services to the client ranging from Web, UI/UX, Mobile and DevOps. I am working as part of a mobile development consulting team. Below are the notable client engagements that I have worked on.

Tarka Labs Virtual Tour (VR)

- Designed and developed the Tarka Labs Virtual Tour - VR App (Android) which offers users an immersive journey through the virtual office environment. It is developed using the Google Cardboard and Unity 3D.

Tarka Kit- Design system for Flutter

- Tarka Kit is a design system developed using the principle of Atomic Design Methodology.
- Developed a Flutter package and a kitchen sink app which demonstrates various UI components.

ServerlessForms

- Architected, designed and developed the ServerlessForms Mobile App (Android,iOS) from scratch using the Flutter Framework.

Divisions Maintenance Group

- Moneyball is an internal iPad application developed in swift language
- DMG Pro is a mobile application (Android &iOS) developed using React Native.
- Collaborated with their internal development team.
- Worked on new feature development and improvisation of existing features.
- Worked on region monitoring proof of concept to improve the user experience.
- Implemented CI/CD pipelines.

EAM360 (Suite of Asset Management Apps)

- Design and development product which has role based apps like Technician, Storekeeper and Manager App.
- Developed features for different verticals like Facility Management, Pharmaceuticals, Manufacturing,Nuclear Power Plant and Public Utilities etc.,
- Implemented CI/CD pipelines.
- Maintained long and short-range deliverables with product management team according to product roadmaps.Understanding the requirements of the module.
- Modularized code and unified the codebase to accommodate multiple customers based on product flavors.
- Brainstorm, contribute new ideas, think of innovative strategies, and implement solutions to difficult problems.
- Implemented key features like ArcGIS (Map), Beacon (IoT), Trimble (GPS), QR-Code Printer, Biometric Auth and Chatbot etc.,
- Developed a Middleware for Authentication using Azure Key Vault and Azure Function services in C#.
- Collaborated with cross functional teams for feature development, research, proposal and proof of concepts implementation etc.,

GE Digital Service

- Developed a NFC-driven real time tool tracking called Smart Tool Crib
- Used NFC tags, Bluetooth low energy beacons to track the tools, crib and CNC machines.
- Used RaspberryPi to process and get tracking information.
- Build a web application using Golang and React to visualize the tool position.
- Developed a Windows based Desktop application using ElectronJS to display the dashboard of the Lockout/Tagout (LOTO) Assessment information.

Senior Application Developer, Contus, Chennai, India - 2011 - 2016

Contus Tech is a Product & Service based company. I started my career as a Technical Support Engineer. Out of interest, I self taught myself Android App development and got internal transfer to the product team for the eCommerce and Video streaming App development. I listed some of the notable projects below.

- Executed complete product development from inception involving interaction with clients, requirement analysis and technology choices also published more than 15+ applications in Google Play.
- Worked on diverse domains like Banking, Wearable Technology, e-Commerce, Video streaming, and Automotive Apps.

Bank Of Palestine (PCNC Solutions)

- Architected, designed and developed the Android App for the Bank of Palestine.
- Worked as Tech Lead and along with three members developers team.
- Implemented the feature securing the sensitive data.
- Followed Agile methodology.
- Managed deliverables.

VSN MOBIL (V.ALRT)

- This is a personal security alert application. App communicates with the small wearable device using Bluetooth low energy technology .
- Worked on Proof of Concept to ensure mobile app and wearable device communication.
- Worked on development of the App from scratch.
- Managed deliverables.

MY CONTRIBUTION

- Provided oversight and mentorship to Junior developers.
- Core Team Member in Contus Techie Group (CTG), which is started to share knowledge about the emerging technologies and organizes workshops and hackathon events.
- Contributed and created open source repos in [Github](#).
- Workshops and Presentation slides here [Speaker Deck](#).
- I occasionally write technical articles in [Medium](#)
- My side project Apps [Google Play](#)

AWARDS AND HONORS

- Won the title of “Contus Top Coder” in the Contus Hackathon Event held on 30th November 2013. In eight hours of timeline we have created an app in Facial recognition based on Qualcomm Snapdragon SDKs. Also, show the demo on the same day.
- Won the “Contus star performer award” of 2014.

EDUCATION

Pondicherry - B.Tech Information Technology 2006 - 2010