Mayur Solanki

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A Software Developer with over 9 years of experience spanning various domains, including News Media, Mobile Payments, B2B, Restaurant Management, e-commerce, and Logistics. Possesses a solid understanding of the full Software Development Life Cycle (SDLC), encompassing both Waterfall and Agile methodologies. Expertise in **Android** App Development using **Java & Kotlin**. Experience in cross-platform app development using **Flutter** *(GetX)* and **Ionic**. Expertise with **Reactive** Programming. Notably, possesses hands-on experience in **IoT**, skilfully leveraging Raspberry Pi using **MQTT** protocol, BLE, I2C, SPI, UART and GPIO. Enthusiastic about **AOSP**, and **AAOS.**

SKILLS

- **Programming Languages -** Java, Kotlin, Dart, Swift, Typescript, JavaScript.
- **Mobile Frameworks -**   Android, Flutter, Ionic, iOS.
- **Android Best Practices -** Jetpack Features, MVVM, Clean Architecture, Hilt, Coroutine with Flow, RxJava
- **Databases -** MySQL, Room, SQLite, Realm
- **Tools and Technologies -** Android Studio, IntelliJ IDEA CE, VSCode,
- **Cloud Services -** Firebase (FCM, Authentication, Realtime Database, AppCheck)
- **DevOps & CI/CD (Automation) -**   Jenkins, Gradle, Maven
- **Testing & QA -**   JUnit, Espresso
- **Version Control Systems -**   Git, Bitbucket, SVN, Gitlab
- **APIs & Web Services -**   REST, Swagger, JSON, XML, SOAP, Postman Flow & Runner
- **Other Technical Skills -** IoT (BLE, MQTT (Mosquitto), GPIO, I2C, SPI), Redis
- **Project Management Tools -**   Jira, Confluence, Trello
- **Software Development Methodologies -**   Agile, Scrum, Kanban, Waterfall, TDD
- **Software Development Approach -** Reactive & Functional, Design Pattern, Design Principle, Architecture Pattern
- **Soft Skills -** Problem-solving, Communication, Team collaboration, Time management, Leadership.

EXPERIENCES

- **Shree Maruti Group (Ahmedabad) (Company Acquisition & Merger)**   07/2020 - Present (4 yrs)
  Shree Maruti Integrated Logistics (SMILe) | *Senior Technical Lead* **|** 12/2023 – Present
    - Independently architect and develop Android applications for the riders to deliver hyperlocal orders.
    - Used Jetpacks libraries - Room, Data-binding, work-manager, Navigation, LiveData, Kotlin Coroutine & Flow.
    - Developed cross-platform mobile application for retail users using Flutter and Ionic.
    - Continuous Feedback from the ops team & Delivery Agents to improve the App.
    - Integrated Google Maps for route suggestions. 100% Crash Free Android app user by Firebase Crashlytics.
    - Integrated MQTT in the Android app, by removing HTTP calls which leads to AWS Cost savings and DB.
    - Integration of Barcode scanner inside Android app, to speed up package scanning at warehouse.
    - Understood logistic domain in detail with First, Middle, and Last Mile Deliveries. (FM/MM/LM)

  Delcaper Technologies Pvt Ltd | *Senior Technical Lead* **|** 12/2021 – 11/2023
    - Leveraging all available resources. Ensure the team follows best practices and guidelines
    - Technical leadership by designing and implementing architecture, strategies, guidelines, standards and best practices must be followed.

  Emxcel Solutions | *Technical Lead* **|** 07/2020 - 11/2021
    - Android mobile application architecture using RxJava, Kotlin, Coroutine with flow, Jetpack Navigation, Hilt, MVVM, Coil, Clean Architecture, Room, Retrofit, Glide and Jetpack Features.
    - Led a team of 10 people, PR merging, Code Review, and Resolve Code Conflict.
    - Jira story review & assignment to a team. Leveraged resources by Training and nurturing.
    - Discussion with the backend rest API team and make sure the response is aligned as per the UI
- **Radixweb LLP |** *Sr. Software Developer*   03/2019 - 11/2019 (9 mos)
    - Developed application in Flutter using Dart programming language for the medical domain.
    - Flutter Training to mobile team. Native and GetX State management library Used.
    - Developed Exoplayer with adaptive streaming and open-sourced on GitHub with 50+ Forked.
    - Knowledge sharing, Project management, Code review, Training and Resource management.
- **Voolsy Networks Pvt Ltd |** *Software Developer*   11/2016 - 12/2018 (2 yrs 2 mos)
    - Development of Android applications (Digital Signage and Billing Unit) with Best practices and guidelines.
    - Worked on a Food ordering app inside the food court, restaurant and theatre at your place.
    - MVVM, Dependency Injection, CustomViews, Jetpack Features, RoomDB, RealmDB, Glide
    - Teamwork, Communication, Documentation, Knowledge sharing, Feedback and Continuous improvement.
- **Tech Initiator |** *Mobile App Developer*   10/2015 - 08/2016 (11 mos)
    - Material Design, Retrofit, Background and Foreground Services, Firebase and other android best practices.
    - Communication with the client to update work progress and continuous Feedback.
- **AppsOnRoll Techstudio |** *Mobile App Developer*   08/2014 - 09/2015 (1 yrs 2 mos)
    - Design, Development, Testing and Publishing Android applications with best Android practices and guidelines.
    - Material design, AsyncHttp, Volley, Recyclerview, AsyncTask, Picasso, CardView. Paypal payment gateway integration. Communication with Backend Developer to make sure API response is aligned to UI.

PROJECTS

- **Innofulfill -** Logistic Management
  Technologies - Angular, ionic, Android, NestJS, MongoDB, SpringBoot, Docker, Jenkins, AWS, Apache Kafka
  Role & Duration - Frontend and backend development, Android App developer.
    - B2B system for End-to-end logistic management solution for e-commerce and hyperlocal orders.
    - A system with intuitive order statuses. Ecomm Order has Manifest creation, Label, Barcode & invoice generation.
    - E-commerce and Hyperlocal order delivery with real-time tracking. Delivery on 6k+ pincodes.
    - Android Application for Delivery agents with real-time tracking with Python algorithm for trip route suggestions.
    - Seller management, Order management, Shipper management & Delivery agents management systems.
    - Seamless Order-receiving solutions/Plugins from Shopify, Magento, and WooCommerce.
    - The system is capable enough to process 10 K+ orders daily and all types of detailed tailored reports.
- **GPSC Online -** Competitive Exam Preparation Online
  Technologies - PHP, Mysql, AWS Server, Socket programming.
  Role & Duration: Product Specialist (Architect & Developed Android Application from scratch).
    - Paid Android application for Competitive exam aspirants (GPSC).
    - App with Video, PDF material, Daily Test(Exam) and Exam analytics.
    - Users can watch videos online as well as Offline Download to watch later.
    - Exoplayer for Android application with Adaptive streaming support.
- **Voolsy Screen –** Digital Signage
  Technologies: Php zend framework, Mysql, AWS Server, Socket programming, Exoplayer.
  Role & Duration: Developed Android Application Independently.
    - Voolsy Screen is a product to manage digital boards inside malls, theatres, airports and other public places.
    - Admin can set up an image, video and HTML webpage with the schedule.
    - All the scheduled playlists and data will be downloaded to the app once the connection code is entered by the user and later on, it will be shown to the big screen from a tablet/phone which is connected to the screen via Firetv Stick.
    - Android App can render images/video/HTML with smooth transitions.
- **Voolsy Billing Unit -** Recharge smart card.
  Technologies: Php zend framework, Mysql, Aws Server, Socket programming.
  Role & Duration: Developed Android Application Independently.
    - Buffet manager/admin can recharge the user's smart card using the Billing Unit app.
    - After recharge, the User can eat at any food stall by swiping with just a card at the stall inside the food court.
    - Once the user exits the buffet area, the Buffet manager will scan the smart card and the remaining amount will be returned to the user's wallet.
    - Food Order inside the food court, restaurant and theatre at your place.
- **All Dealz –** Best Deals Near You by store.
  Technologies: Android, Java, Php REST API, Mysql, Aws Server, Socket programming.
  Role & Duration: Worked as part of a team to develop an Android app.
    - The App will show the Deals of stores around you.
    - The App will send your current location to the server and the Backend Algorithm will match your location with the location of the shops near you to send deals.

TALKS & TECHNOPHILE

- Seminar on **Android Thing** at Google Developer Group(**GDG**) Ahmedabad as a Speaker.
    - https://www.meetup.com/GDG-Ahmedabad/events/249860953/
    - https://www.slideshare.net/MayurSolanki22/androidthing-internet-of-things
- Technical blog writer on Medium. (https://medium.com/@mayur-solanki) with **35k+** Views & **15k+** Reads.

COURSES & CERTIFICATION

- Google Analytics for Beginner
    - https://analytics.google.com/analytics/academy/certificate/cO4-dHdCQEGY73BhRpdeuA
- Kotlin Coroutines
    - https://udemy-certificate.s3.amazonaws.com/image/UC-2e952ba4-9b98-493b-820d-cb0bbe357a7d.jpg
- Agile Fundamentals: Including Scrum and Kanban
    - https://www.udemy.com/certificate/UC-1ab91f73-8cad-4934-aada-8394379e8c51/

ACADEMIC CREDENTIALS

- **BE - Information & Technology,** Govt Engineering College, Gandhinagar (GTU), (CGPA: 7.2/10)   2014
- **Class XII - Intermediate Science (CBSE),** Jawahar Navodaya Vidyalaya, Patan, (Percentage: 78/100)   2010
- **Class X - Matriculation (CBSE),** Jawahar Navodaya Vidyalaya, Patan, (Percentage: 80/100)   2008