MANIKHANDAN S P
SOFTWARE ENGINEER

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Objective

To obtain a challenging atmosphere that will enable me to use my strong managerial and technical skills to achieve organizational goals along with personal growth.

Summary

- **Technically Experienced Professional** with **3 years** of experience in the areas of **Mobile Application** Development for iPhone and iPad
- Proficient in developing mobile app for both **Native and Hybrid** using **Objective C, Swift, Cordova, Ionic**
- Sound knowledge in using the API's and frameworks for iOS application development. The frameworks include UIKit, Core Graphics, Media Player, AVFoundation, Map Kit, Core Location, Foundation, Core Data, Security
- Experienced in working on both B2B and B2C mobile application
- Understanding of Apple iOS Provisioning Portal (Certificates, App IDs, Provisioning and Distribution) and testing on Simulator/Real device
- Experienced in handling REST Services using data of type JSON
- Experience in integrating Google maps API, Facebook API, Twitter API, third party API's with OAuth token handling
- Experienced in integrating SQLite in mobile app in both native and hybrid application development
- Good Knowledge in In-App Purchase, Push and Local Notification
- Skilled in end-to-end development of mobile app from requirement analysis to designing, coding, testing, de-bugging, documentation, implementing, archiving and deploying
- Adaptable team player with positive attitude, Good communication skill and problem solving ability, quick learning
- A highly motivated and ambitious individual able to give timely and accurate Advice, guidance and support
- Specialize in thinking outside the box to find unique and non-breakable solution to the difficult tasks/problems
- Developed **iPhone, iPad** Enterprise applications and Consumer Applications using both Native and Hybrid

Technical Skills

Mobile Platforms	:	iPhone, iPad, Android
Web Services	:	REST
Programming Languages	:	Objective C, Cordova, Ionic, Swift
OS	:	Windows 10, MAC OS X
iOS Frameworks	:	MapKit, EventKit, CoreData, Foundation, CoreLocation, UIKit, AutoLayout
Versioning Tool	:	SVN, Git
Tools	:	XCode, Interface Builder, Visual Studio Code
Markup Languages	:	HTML, CSS, XML
Scripting Languages	:	JavaScript, jQuery, Angular-4, Typescript
Hybrid/Web Framework	:	Cordova, jQuery Mobile, Ionic

Roles and Responsibilities

- Involved in requirement gathering, analysis, feasibility study
- Involved in the project estimation
- Responsible for development of specified modules adhered to coding standards
- Managed to separate the UI code from Service Call Code using MVP Pattern
- Responsible for Creating Models and Services in conformance with the WSDL's provided
- Responsible for Service Integration Development and Testing
- Web services deployment and testing on rest client
- Beta testing of the application via test flight and google play beta release
- Publishing the application on App store and then pushing updates after every sprint release
- Responsible for bug fixing and test the app
- Involved in exploration of new technologies
- Responsible for reporting to the Project Manager

Employment History

2015 – Present (3 Years)
Software Engineer
Aspire Systems

Education

Bachelor of Technology in Information Technology – CGPA: 8.75
K S Rangasamy College of Technology, Anna University Chennai 2015

Honors and Recognition

- ### Aspire Hackathon Award

  Dec 2017 Organization level
  I won an intra-department competition named "Hackathon in Block chain Technology" for Retail Domain

- ### Fast-Racker Training

  May 2017 Organization level
  I have been suggested for special training in various management roles to faster my career growth as I am performing good and managed a project single handedly without lead help.

- ### Role-Star Award

  Sep 2016 Organization level
  Customer is very much excited about the POC that developed in short span of timeline. They are highly impressed and they would like to move on to the further steps which is very promising to get the project. Hence management awarded me this award

Projects

1. DYOB App – Hybrid App

Frameworks   : UIKit, Mobile Core Services, JSON/REST web Services, SiriKit Integration
Technology   : JS, Cordova plugin, Edge Connect (RAD Tool)
Description:
This is a digital banking app which would do the basic banking stuffs. We have integrated resonance SDK for second step verification using a Resonance Authenticator App. We have integrated the SiriKit for doing banking stuffs like Showing Account Info and Transferring money from savings account to any account which we have added as a payee. Each payee been added into the vocabulary so that Siri can understand the account nickname.

2. m-Commerce App – Native iPad App

Frameworks   : UIKit, SystemConfiguration, Mobile Core Services, JSON/REST web Services
Technology   : Swift
Description:
This is the m-Commerce application for a leading Jewelry company in India. This application is used to shop the commercial items from the mobile app. They can customize any item accordingly to the end user's wish and accordingly we have suggestions to give best suite items according to their requirement. We have used REST Service to get the updates product list. We have integrated the social OAuth login. The app will communicate to the Magento server and get the items accordingly. We have virtual try on app to try the item virtually from our app.

3. Content Management App – Native iPhone/iPad App

Frameworks   : UIKit, Mobile Core Services, JSON/REST web Services
Technology   : Swift
Description:
This is a financial institute application which displays the financial status of different suppliers and borrowers and based on which they can make an analysis to complete funding. Basically this app uses OAuth authorization for validating the user. Through this app, the analyst can create a task and complete the task based on the result the analysis will be made by the analyst. In this project I have managed the team without senior and become an intermediator for different teams communication.

4. PRIOS App – Native iPhone/ iPad App

Frameworks   : UIKit, Mobile Core Services, JSON/REST web Services
Technology   : Swift and Objective-C
Description:
This is an m-commerce app targeted for retail domain. This app will uses pub-nub for getting promotional details from server. Push notification also been integrated to get high level promotion. We have used Beacon for indoor localization using Bluetooth to navigate the user in a mall according to the promotions each stores provided. We have used JSON/REST Web Services to interact with PRIOS Server. We have integrated Augmented Reality within the app to view the products in augmented reality mode with 3D Models as product images representing different sections available in a retail stores.

5. Early Reading Assessment – Hybrid iPhone/iPad App

Frameworks   : UIKit, Media Player, Core Data, JSON/REST Web Services
Technology   : Cordova, Ionic, AngularJS
Description:
This app is a suite of individually administered tests designed to help schools and teachers determine how early readers are performing on critical pre-literacy and early literacy skills. This app gives teachers and administrators a powerful and easy-to-use tool for acquiring student data. This app will get the student information from teacher while interacting to the student by recording the reading assessment read by Student. App has offline features to take assessment even without connecting to internet. Different types of assessment are managed with good design pattern allows to grow any types at run time.

6. MPOS – Hybrid iPad App

SDK Included   : Zebra Printer SDK, Sled SDK
Technology   : Cordova, jQuery Mobile
Description:
This is a commerce app targeted for point of sale over mobile to enable customer-centric retailers to carry out day-to-day transactions. Cashier can do his daily operations like Till opening, closing etc., in this app. Cashier can add the item in the cart and complete the transaction with various tendering option. These transactions and tendering features will be done with the help of REST API. This includes the features like selling gift cards, applying discounts on the items, suspending a transaction. Third party SDK's all included by converting it into a Cordova plugin and then added to the project as plugin.

7. Real Estate App –Hybrid Ionic App

Frameworks   : JSON/REST web Services, Core Location, Google Maps
Technology   : Cordova, Ionic, AngularJS
Description:
This application is a real estate targeted app which will focus on a residential community in Arizona. This will get the data from REST API to the mobile app about the residential properties which were ready for sale. This app will also be used to navigate a person from their place to the selected property among the property list. This app will promote the area's amenities located near each property.

8. Hospitality and Casino Promotional App for a Resort – Native iPhone/iPad App

Frameworks   : UIKit, Foundation, JSON/REST web Services, Core Location, Google Maps
Technology   : Objective-C
Description:
This is a native iPhone/iPad application targeted for Resort's Customers and it mainly focused on the promotion of the resort world where visitors/customers will be connected with the resort easily during their stay by navigating them in the resort. It will update the customer on special events and Casino promotions. These updates have been received from the REST API. Shortest path algorithm and nearest neighbor algorithm has been implemented for the indoor navigation in the Resort.

9. Wealth Management App – Hybrid App

Frameworks   : UIKit, Mobile Core Services, JSON/REST web Services
Technology   : JS, Cordova plugin, Edge Connect Widget (RAD Tool)
Description:
This is a wealth management private banking app which will give the customer a statistical report on managing the wealth in an efficient way. This app consumes different charts for the analytics reports using different charts. We have created own Cordova plugin to interact with the touch ID (iOS Fingerprint identifier) and other native behavior to achieve. This app uses OAuth for validating user and to enable fingerprint we will have one time authorization.

Competencies

- Self-Confidence
- Thinking Smart
- Flexibility
- Positive approach
- Self-learning

Personal Details

Date of Birth	:	13-Jul-1994
Gender	:	Male
Nationality	:	Indian
Parents' Name	:	Mr. T.S. Palanivel and Mrs. Yasotha Palanivel
Hobbies	:	Surfing internet, updating current affairs
Languages known	:	English and Tamil