Venkatesh Ventrapragada
Mobile & Web Application Developer

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Summary:

- About 7+ years' experience as **Mobile and Web Application Developer** in analyzing, designing, and developing **iOS (iPhone, iPad),** based enterprise applications/apps using **React-Native**, **Java Script, Electrode-Native, Swift, Objective C, Interface Builder, XCode6, iOS SDK, Storyboards, AutoLayout, Instruments, Push Notifications (APNS), TestFlight, Cocoa, Cocoa Touch**, Web Services, GCD, Foundation Framework, **UIKit** Framework, Four Square APIs, Interface Builder.
- Solid experience in **mobile application development** with expertise in latest trends, best patterns, and practices.
- Experience of **SDLC (Agile, RUP, Iterative, SCRUM)** including SRS, Design & Analysis, Development, Implementation, Build, Deployment, Version Control, Testing & Post implementation, UAT, migration and conversion of existed project.
- Experience in leading both onsite and offshore developers.
- Proficient in using **cloud-based databases**, **Firebase**, **Google Cloud** for storing data for **Android** and **iOS mobile applications**.
- Implemented **custom calendar UI (day, month, Week)** and Event triggering Using **Event Kit Framework.**
- Implemented the codebase in **JavaScript/TypeScript** for react and react-native applications.
- Experience in working on Low Energy Bluetooth and Notification Manager **(Push Notifications).**
- Ability to work in an agile environment with frequent change.
- Created Reusable **react** presentation and container components.
- Good understanding and usage of **state** and **props** in react.
- Solid experience of react/redux development using Babel, ES6, NPM.
- Efficient in creating Test cases and performed data validation and process testing for application moving into production.
- Hands on experience in **debugging, bug fixing,** analyzing the crash reports, and providing the technical solutions for various challenges and requirements in application complexities.

Web Development:

- Expert programming in **React**, **Html, Java Script, Type Script** for web development.
- Experienced in developing responsive designed websites for desktop and mobile devices.
- Expertise in APIs integration using Axios, Redux, and Context APIs in React.
- Good knowledge in websites deployment using Jenkins.

iOS Development – iPhone, iPad: -

- Expert programming in **Apple SWIFT and Objective-C** for **iOS 11.x/10.x/9.x/8.0**
- Experienced in all aspects of iPhone, iPad app development including designing all types of screen sizes and orientations.
- Expertise in **iOS design patterns** (MVC, Delegation, Target-action, and Slide-out Navigation), Cocoa design patterns and concepts like delegation, protocols and categories.
- Extensive experience in using **Cocoa Touch framework in iOS mobile** applications development.
- Experience in Creating & Maintaining Database objects like Tables, Indexes, Views, Synonyms, Object types & Collections.
- In-depth knowledge of MVC architecture, **Cocoa design patterns & concepts** like delegation, protocols & categories.
- Experience in **Code signing, App Store submission, creating iTunes Store content & App release to App Store using Application Loader.**
- Worked on almost all basic controls **UiButtons, UITouch, UIImage, UILables, UISegmentedView, UIPickerView, UITextView, UITextField, UITableViewController, UIView Animations, CATransition, 3D Animations**.

- Expertise in creating and custom UIViews, Customizing Views, Table Views, Tab Bars, Scroll Bars, Navigation Bars and Segmented Control which are some basic functionality in a Multi-View Application.
- Good knowledge on App Distribution (Ad-hoc, Drop box and Appaloosa-Store) and Deployment/Updates to App Store, Google Play and their Guide lines.
- Tested the application for memory leaks and relevant bugs, fixed the leaks, and deployed on different Smart phone firmware's to validate the application stability.

Android Development: -
- Extensive programming experience in **Android SDK** based application development.
- Hands-on experience supporting multiple versions of Android SDKs, screen resolutions and device types (Responsive design).
- Extensive experience in **developing Android applications** in **Android studio** and **Android SDK** based application development
- Expertise with audio features, video features, graphics design, interactive design and animation.
- In-depth knowledge of **Android framework, application development, memory management, audio-video codecs**, and **binary streaming** as well as mobile application development using Titanium SDK.
- Proficient with common **Android framework APIs (Location, Camera, Notifications, Map API).**
- Expert knowledge in designing and developing adaptive UI components, widget for android phones, tablets using Notifications, Adapters, Content Provider, Services, XML Parsing, SQLite.

Education:
- Master's degree in computer science, Rivier University, Nashua, NH, 2017
- Bachelor of Science in Computer Science Engineering, Kaushik College of Engineering, 2013

Technical Skills:
- **Programming Lang.:** React Native, Swift, Objective C, Java
- **IOS:** iOS 10.0 SDK, iOS 9.0 SDK, iOS 8.0 SDK, iOS 7.0, iOS 6.1, iOS 5.1, iOS 4.2.1 SDK
- **Android versions:** Android 7.0 (Nougat)/ 6.0 (Marshmallow)/ 5.x (Lollipop) / 4.x (Kitkat)
- **Scripting Language:** HTML 5.0/4.0, XML, JavaScript, TypeScript, CSS
- **IDE:** XCode, Android Studio, Eclipse, VS Code
- **Web Services:** JSON, XML, REST
- **Source Control:** GIT, Bit Bucket, GitHub, Gitlab
- **Standards & Trends:** Agile Programming, Test Driven Development (TDD), Service Oriented Architecture (SOA).

Professional Experience:

Noke Inc.   **Apr 2023 - Present**
Client: Noke Inc., GA
Role: Mobile Application Developer

Noke Inc. is a innovative digital technology company that creates stronger, smarter, sustainable, physical security solutions.

Responsibilities:
- Following agile process for the daily working progress.
- Working on converting existing native app into react-native application.
- Refactoring existing code in the native applications.
- As a lead developer, working closely with the manager, and the product owner to gather the client requirements.
- Working on BLE technologies which is connection between mobile app and hardware equipment.
- Using firebase to monitor the crashlytics in Android and iOS platform-based apps.

Environment: Swift, Kotlin,React-Native framework, TypeScript, CSS, node.js, VS Code, **XCode 15.0, iPhone, iPad,** Android Studio, Emulator, iPhone simulator, Monday board for stories, Firebase

Inteca IT Solutions LLC   **Sep 2021 – Mar 2023**
Client: Walmart Inc. – Bentonville, AR
Project-1: Traveler Profile
Role: Mobile & Web Application Developer

Walmart Inc. is an American multinational retail corporation that operates a chain of hypermarkets, discount department stores, and grocery stores from the United States. We are working on the mobile applications and web applications where Walmart will be launching soon.

Responsibilities:
- Following agile process for the daily working progress.
- Developing the mobile application and web applications for the client using **react** and **react-native.**
- Writing pure **TypeScript** code for the applications development.
- Working as **team lead** to manage both onsite and offshore developers.
- As a team lead, working closely with the manager, and the product owner.
- Implementing new UI screens for brand new mobile application which has google maps, travelers' information, and stores information in airport.
- Using JIRA for version control of code for distributed revision control.
- **SonarQube** setup added in the application for code coverage.
- Following UI guidelines in Walmart for application frontend development.
- Writing UI testcases as Walmart needed 80% code coverage.
- Integrating third party vendor (Fiserv) services to the application like ServiceNow.
- Using redux as store management in the application.

Environment: react js, React-Native framework, TypeScript, CSS, node.js, VS Code, **XCode 12.0, iPhone, iPad,** Android Studio, Emulator, iPhone simulator, JIRA board for stories, Figma for screens, SonarQube.

Ninfo Systems Inc.   **Mar 2021 – Sep 2021**
Client: Citizens Bank – Providence, RI
Project-1: Citizens Pay
Role: Mobile Application Developer

Citizens Bank is financial company managing customers bank accounts and Citizens Pay is the **mobile applications** where customers can manage their accounts and do the transactions in their mobile.

Responsibilities:
- Following agile process for the daily working progress.
- Developing the mobile application for the client **(Citizens Pay App)** using **react-native.**
- Involved in developing web application using **react** programming.
- Written the code in **JavaScript / TypeScript** for both the mobile and web applications.
- Working closely with the manager, other developers, UX/UI developers, and backend developers.
- Developing the new application features from the **scratch (Biometrics, Push Notifications).**
- Integrated customers profile to the app so that they manage in the mobile itself.
- Implementing new UI screens for existing native app.
- Using Atlassian Bitbucket for version control of code for distributed revision control.

Environment: React-Native framework, JavaScript, node.js, VS Code, **iOS SDK, SWIFT 4.0, XCode 12.0, iPhone, iPad,** Android Studio, Emulator, iPhone simulator, Custom Frameworks & Libraries, JIRA board for stories, Figma for screens.

Ninfo Systems Inc.   **Sep 2020 – Mar 2021**
Client: Helix Solutions – Montana, WY

Project-1: Kubota
Role: Mobile Application Developer

Helix is the company helps in delivering a completely modern customer experience, with the latest technologies, **omnichannel support**, and **intelligent sales automation.**
Responsibilities:
- Following agile process for the daily working progress.
- Developing the **mobile application** for the **client (Kubota Mobile App) using react-native.**
- Written **JavaScript** code for the mobile applications.
- Working closely with the manager, other developers, UX/UI developers.
- Implementing new UI screens for existing **native app.**
- Monitoring the **user's activities performance, crashlytics for the Kubota app** using **Firebase.**
- Using Atlassian **Bitbucket** for version control of code for distributed revision control.

Environment: React-Native framework, **JavaScript, node.js, VS Code, iOS SDK, SWIFT 4.0, XCode 12.0, iPhone, iPad,** Android Studio, Emulator, iPhone simulator, Custom Frameworks & Libraries, JIRA board for stories, Figma for screens.

Ninfo Systems Inc.   **Sep 2019 – May 2020**
Client: Sam's Club – Dallas, TX
Project-1: Own Your Inventory
Role: Senior Mobile Application Developer

Sam's Club is an American chain of membership-only retail warehouse owned and operated by **Walmart Inc**. It has mobility programs where users can shop online and do checkout through **mobile app itself.**
Responsibilities:
- Following agile process for the daily working progress.
- Developing the **mobile applications** using **react-native.**
- Working as **lead developer** in mobile application team.
- Working closely with the architects, other developers, UX/UI developers, Product owners and business analysts.
- Developing new features in **react-native** for the existing applications.
- Written the code in **JavaScript** for react-native applications.
- Monitoring the user's **activities performance, crashlytics** in the application using **Azure board.**
- Refactoring the developed **code** to minimize the code complexity.
- Worked on RFID scanners which is used to gather the information of individual items.
- Worked on migrating the native code to **react-native code.**
- Working on integrating existing native apps to react-native apps using **Electrode-Native.**
- Worked on **CI/CD pipeline using Jenkins**.
- Worked with release team in publishing the apps in app store manually.
- Using **GitHub** for version control of code for distributed revision control.

Environment: React-Native framework, java script, node.js, VS Code, iOS SDK, SWIFT 4.0, XCode 10.0, iPhone, iPad, Android Studio, Emulator, iPhone simulator, Custom Frameworks & Libraries, JIRA board for stories

DXC Technology   **Oct 2018 – Aug 2019**
Client: Ford Motor Company – Dearborn, MI
Project-1: Fordpass & Lincoln Way
Role: Senior Mobile Application Developer
App Store Link: https://itunes.apple.com/us/app/fordpass-fuel-park-dealers/id1095418609?mt=8
https://itunes.apple.com/us/app/the-lincoln-way/id1141482401?mt=8

Ford Motor Company is a multinational automaker and FordPass is the first major step in the development of the Ford Smart Mobility program in which Ford plans to move to the next level in **customer service and connectivity**.

Responsibilities:
- Working in Extreme Programming (XP) practices including Paired programming Test-first/Test Driven Development.
- Following agile process for the daily working progress.
- Deploying the applications to cloud platforms, preferably Cloud Foundry.
- Working closely with other technical experts, Product Managers, UI/UX Designers and business stakeholders.
- Developing new features for Fordpass & Lincoln Way **mobile applications in iOS platform**.
- Monitoring the user's activities performance, crashlytics for ford vehicle users.
- Refactoring the developed code for migrating the code from Objective-C to Swift.
- Working on user stories which are given by product manager.
- Using GitHub for version control of code for distributed revision control.
- Developing the test cases for the applications using XCUITest.

Environment: iOS SDK, SWIFT 4.0, XCode 10.0, iPhone, iPad, Apple Watch, Objective-C, RxSwift, iPhone simulator, Charles, Custom Frameworks & Libraries, Invision for screens

Ninfo Systems Inc.   **Jan 2018 – Sep 2018**
Client: Northern Trust Corporation – Chicago, IL
Project-1: Private Passport
Role: Mobile Application Technical Lead (iOS & Android)
App Store Link: https://itunes.apple.com/us/app/private-passport/id560412613?mt=8
Google Play Link: https://play.google.com/store/apps/details?id=com.ntrs.ecp&hl=en

Northern Trust has transformed traditional online banking into a broad online wealth management suite for all your accounts, all in one convenient place. Built for ease of use, Private Passport's tools accommodate those looking for simplicity as well as those with complex financial portfolios.

Responsibilities:
- Supporting existing mobile application in both **Android & iOS platforms.**
- Monitoring the user's activities performance using **Raptor.**
- Checking Application crashlytics using **Fabric.**
- Working on developed code to minimize the complications.
- Handling the functionality issues in the application.
- Working Mobile Deposit Check scenarios.
- Developing stored procedures in **SQL Server.**
- Using Perfecto Mobile as simulator to check application.
- Working with the **Android SDK** and implemented **Android Bluetooth** and **Location Connectivity** components.
- Used **BitBucket** for version control of code for distributed revision control.

Environment: iOS SDK, SWIFT 3.0, Android Studio, Android SDK, XCode, iPhone, iPad, Objective-C, Fabric, Raptor Monitoring Tool, Intoscope, Sitescope, Eclipse, XML, Gradle build, JSON, Custom Framework,

Labby – Boston, MA   **Oct 2017 – Dec 2017**
Project-1: Labby
Role: Mobile Application Developer
Labby is a suite of smartphone-based devices that enable rapid, low-cost, lab quality testing of food, beverage and agro products using optical spectroscopy and cloud-based analytics. In the Labby, the following tests can be performed accurately:
Beer- SRM, IBU, pH; **Wine**- Color tone, Intensity, Phenols, pH; **Vegetables** – validity; **Milk** - purity

Responsibilities:

- Developed a mobile application for Android, iOS platforms with react-native.
- Designed and Implemented Views and Layouts for User Interaction.
- Devices communicates the tests to the application via Bluetooth.
- Used **GraphQL** for back-end integration and for integrating **third party API libraries.**
- Apollo client is used for fetching data from the server **(GraphQL).**
- **Apollo-Link-State** is used for state management.
- Used Firebase as authentication provider and for push notifications.
- Used **GITHUB** for version control of code for distributed revision control.
- Implemented unit tests using Enzyme and for type safety we used Typescript.

Environment: React Native, GraphQL, Apollo-Client, Apollo-Link-State, Firebase, Typescript, Enzyme, Android simulator, iPhone simulator, Notification manager, Authorization, Notification manager, Custom Framework, HM 05, HM 10, Labby Sensor.

TuneUp Online Services Pvt Ltd   **Jan 2014 - Jun 2015**
Role: Mobile App Developer
Project: OhoShop eCommerce Mobile App
Developed complete **mobile E-Commerce OhoShop Platform** based app for **iOS and Android shopping carts**. This allows you to take orders through mobile phones, promote freely through social media, print media or any other means, send push notifications, create engagement, and increase sales.
OhoShop eCommerce App Modules/Features.
Responsibilities:
- Follows agile process and scrum methodology.
- Used **Android Studio as IDE** to develop the application in Android platforms.
- Followed the MVC design pattern during the development phase.
- Designing generic UI for **iPhone/iPad, Android,** and Business Logic in terminal (client) side which consumes web service.
- Performed the UI for the application to support both the portrait and landscape modes.
- Developed the framework using class cluster pattern for codebase that handles se-cure communication.
- JSON based parsing response used for AFNetworking.

Environment: Android Studio, Android SDK, XML, User Interface design, Android Framework APIs (Java, Vision barcode API, JSON, Rest API's, UI Animations, DDMS,), Virtual Machine, Multitasking, Log Cat, CSS 3, JavaScript, Adb Shell, AFNetworking, Firebase.