**Venkatrao Ghanta gvenkat308@gmail.com**

**Lead iOS Developer 945 305 9081**

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**Professional summary**

More than 13 years of experience in iOS app development with emphasis in following SOLID principles, design patterns, and multithreading environments.

* Experience with Objective C language, Swift programming, swiftUI, Cocoa Touch, Xcode IDE
* Experience with Dart Programming and Flutter Programming.
* Strong sense of elegant multithreaded programming, unit tests, session management, object relational mapping, object caching, XML/JSON parser, web service.
* Solid knowledge of Auto Layout, Storyboards, XIBs, Memory management and ARC.
* Experience with MVC & MVVM architecture to develop an application.
* Experience with web service api, such as Rest and Restful API services.
* Experience with third-party libraries and APIs Working knowledge of the general mobile landscape, architectures, trends, and emerging technologies.
* Experience with Social media libraries such as facebook, twitter, youtube and Email.
* Experience with camera, video recording and AV Player.
* Experience with iOS frameworks such as Core location, Core Data, Core Animation, Push Notification.
* Experience with Socket Programming and Protocols such as MQTT for chatting or messaging.
* Experience with Payment gateway such as Razor pay Payment gateway API
* Worked on Google Maps API for geo coding and reverse geo coding to drop the pin for an address to the Map View, Worked on directions from source location to destination location.
* Experience with Databases such as SQLite, Couch DB, Core Data, Realm Mongo DB.
* Experience with code management tools such as SVN, GIT and BitBucket.

**Technical Skills**

* Objective-C, Swift, SwiftUI, Flutter SDK, Dart Programming, UIKit, MVVM, MVC.
* SQLite, Core Data, SQL, MongoDB, Rest, Restful, XML, JSON.
* Xcode, IntelliJ, IOS, Android studio, IPadOS, Mac OS, Android, Web, Linux, Windows.
* GitHub, Bitbucket, SVN, Jenkins, Carthage, CocoaPods, Push Notification.
* App Store, TestFlight, Apple certificates, Jira, Zoho, SCRUM.

**Published Applications**

Worked on more than 20 projects with multiple programming languages Objective C, Swift, Flutter

* BB Connect App: https://apps.apple.com/in/app/bbconnect-best-brains/id1526879337
* BB Enroll App: https://apps.apple.com/in/app/bb-enroll/id1524735007
* BB Parent App: https://apps.apple.com/in/app/bbconnect-parent/id1547858377
* PI Mitra App: https://apps.apple.com/in/app/pi-mitra/id1511979177
* PI Channel Orders : <https://apps.apple.com/in/app/pi-channel-orders/id1596709169>

**Education**

* **Masters in Computer Science:** Jawaharlal Nehru University Hyderabad India 2011
* **Bachelor of Science:** Nagarjuna University Guntur India 2008

**Work Experience**

**Client Name:** Advansoft LLC, Chicago, IL

**Role:** Lead IOS Engineer

**About Project**

**Project 1:** BB Support

**Duration :** June 2023 - May 2024

**Description:** BB Support is the virtual classroom app for Best Brains Learning Centers. Student can request for support and teacher can accept student request and they both join virtual class rooms & clear their doubts. After support Teacher and student submit the feedback of support & They can see history of given support.

**Project 2:** BB Enroll

**Duration :** Jan 2023 to June 2023

**AppStore Link:** <https://apps.apple.com/in/app/bb-enroll/id1524735007>

**Description:** With this app, enroll new students in a paperless format, with details uploaded directly to Portal! Additionally, we have created a 10-part video series explaining all about Best Brains! Parents who bring their children in for their diagnostics test can interact with the app and educate themselves about what makes Best Brains the best learning center in the US, Canada, and beyond.

**Project 3:** BB Connect

**Duration :** Jan 2022 to December 2023

**AppStore Link :** <https://apps.apple.com/in/app/bbconnect-best-brains/id1526879337>

**Description:** BB Connect is the virtual classroom app for Best Brains Learning Centers. This app hosts weekly online classes connecting 1 real, certified teacher with up to 3 students per class for weekly Math and English lessons. Students work on assignments and receive feedback from teachers in real time! Teachers also monitor periodic tests to measure improvement in your child’s knowledge. Students are assigned daily homework to be completed on the app using an Apple Pencil or stylus. These 15-minute per day, per subject lessons strengthen understanding and promote retention of concepts. Homework is graded weekly to check progress. Each student works at their own pace, improving their Math and English skills one concept at a time.

Included in this app:

- Enrollment forms including policies, payment information, and photo-release

- Descriptions and details of Best Brains features and policies

- Videos detailing the Best Brains Experience

**Responsibilities**

* Built out the technical design and Realm Library, Twilio library for the virtual class room.
* Use of auto layout in Interface Builder and with visual format to adapt each view to the screen layout.
* Used Swift to create a robust library of reusable components.
* Created an analytics library with a custom debug tree to help analyze crashes in prod versions of the application.
* Create Alamo-fire wrapper API Client module for web services requests / responses.
* Compiled the libraries used in implementing networking between different services.
* Implemented an MVVM pattern with Swift to architect the application.
* Implemented Push Notifications.
* Wrote the code following TDD and enforced the team to do the same.
* Follow Scrum methodology with 2 weeks sprints and daily meetings.
* Met weekly with the PM, TPM and business stakeholders to communicate technical hurdles to business objectives.
* Create modules that implement UI Collection View Data Source and UICollectionViewDelegate to provide the data and control a UICollectionView.
* Create modules to control and use UIPageViewController and UIScrollView for the CollectionView Header.
* Create a module to control login show and hiding behavior using UIView animation with duration.
* The mobile app consumes JSON services (Restful) to provide functionality like listing the available squads, saving user information, etc.
* Create control module for side menu show and hide and display menu options using UITableView and UITableViewDataSource and UITableViewDelegate protocols.
* Use of Blocks and Grand Central Dispatcher for handling resort data filtering in browse and discovery.
* Follow Scrum methodology with 2 weeks sprints and daily meetings.
* Experience with web related technologies, including JavaScript, JSON, XML.
* Worked with the back-end team to improve the restful API performance.
* App Store submission.
* Built out an MVVM + MVI based application.
* The mobile app consumes JSON services (Restful) to provide functionality like listing the available squads, saving user information, etc.
* SignalR SDK (Socket programming) is integration for continuous communication between Teachers and students
* Integrated with Firebase Analytics to enable fine grained analytics
* Participated in Sprint planning, grooming, and refinement meetings
* Refactor code and create bridging header files for objective-C and Swift.
* Refactor code from using Frames to support Auto Layout using Interface.
* Create a module to handle NSUserDefaults store and retrieve data.
* Schedule development team activities and coordinate them with the Product Manager

**Client Name:** PI, Bayer cropscience, Whippany NJ.

**Role:** Senior IOS Engineer

**About Project**

**Project 1:** Channel Orders

**Duration :** April 2020 to Dec 2021

**AppStore Link:** <https://apps.apple.com/in/app/pi-channel-orders/id1596709169>

**Description:** PI Channel Orders is an Order Management System for our esteemed partners who have been key in serving the Farmer community through PI products, services, knowledge and technology. Distributor can do place an order to territory manager, once the order is placed it will go for territory manager approval. All placed orders will be shown in Sales order status, User can view the status of this orders.

**Project 2:** Food Chain

**Duration :** June 2019to February 2020

**Description:** Food Chain app is an innovative platform to promote partnerships and address challenges throughout our food system, our Food Chain Partnership brings together farmers, food processors, retailers, traders, and others along the food value chain to work together for sustainable agriculture. By sharing collective insights, goals, and resources, everyone contributes in tangible Food Chain Partnership initiatives to improved sustainability, food safety, quality, yields, and transparency

**Project 3:** Mitra

**Duration :** May 2017to May 2019

**AppStore Link:** <https://apps.apple.com/in/app/pi-mitra/id1511979177>

**Description:** PI Mitra is a unique Application to track our products by our PI channel partners. PI Mitra App can be used by Distributors & Retailers of PI Organization to track line of business of their products.

**Responsibilities**

* Develop end to end application components involving business layer, persistence layer, database, web service layer.
* Follow the rules for security and reliability, perform unit testing. Deep Understanding lifecycle management and App architecture.
* Participate in development using a SCRUM process as a scrum team member.
* Working with the product owner, the scrum team will receive stories for each sprint, estimate them, choose for implementation and successfully deliver within sprint timeframe removing impediments.
* Design, develop and configure software applications and packages and components customized to meet specific need and requirements.
* Develop end to end application components involving business layer, persistence layer, database, web service layer.
* Crash monitoring and Analytics for bug fixing and technical issue resolving.
* Application deployment in app store, play store & production releases to customers.

**Client Name:** Votary Softech Solutions

**Role:** IOS Engineer

**About Project**

**Project 1:** SCSCSheSafe

**Duration :** April 2016 to August 2016

**Description:** SCSC SHESafe is traveling women Safety and Convenience Solution based on Mobility platform provided for the women intended to travel through IT corridor. Users of SHESafe shall be able to opt for personal tracking &amp; can share track to friends &amp; family members. Users of SHESafe shall be able to opt for personal tracking &amp; can share track to friends &amp; family members. User can request for police assistance, medical assistance through sms or phone, User can send panic alerts to the control desk. User of SHESafe shall be able to send SMS to police through WhatsApp in case of emergency.

**Project 2:** SheCabs

**Duration :** October 2015 to March 2016

**Description:** SHE CABS specializing in Hiring cabs to customers. It is an online system through which customers can view available cabs, register the cabs, view profile and book cabs. Mostly people use cab service for their daily transportations need. The company must be a registered and fulfills all the requirements and security standards set by the transport department.

**Responsibilities**

* Designing and building mobile applications for Apple’s iOS platform.
* Translated basic design plans into full iOS app frameworks, delegating project components to appropriate team members.
* Applied Agile software development methodology to elevate final products and streamline development efforts.
* Researched and selected APIs for integration into development projects.
* Participate in code reviews, write automated tests, and help define our technical roadmap.
* Deployment of builds & Jenkins Auto integration.

**Client Name:** Transparent Value LLC New York, NY

**Role:** Senior IOS Engineer

**About Project**

**Project 1:** SPMS-DMS

**Duration :** March 2015 to August 2015

**AppStore Link:** <https://apps.apple.com/in/app/pi-channel-orders/id1596709169>

**Description:** This is our company own projects This is not available in Appstore This is enterprise application &amp; this is uploaded to hockeyApp For our sales team &amp; Company management , Sales Presentation Management is an iOS based application, which provides platform to the Sales persons and Wholesalers. This project will strategically replace the standard manual process of Sales presentation and data collection with an automated process. The success of this application will be assessed from the accuracy of data which is collected and more quickly than traditional methods. The application will be designed to browse and view only the PDF files which are stored on WEB-DMS application. The scope of this application is limited for the Sales Persons and Wholesalers. This includes saving the files to iBook/newsstand or to any related application but in future application might be released with more functionality like viewing files into presentation mode and this application might be developed into iPhone. This application will work only on iOS device like (iPad). On the initial stage, this Application is developed only for iPad, if the management requires this might also be developed on iPhone, so the application design should be made accordingly.In this application we have integrated web services for fetching the files from server &amp; Integrated the amazon s3 SDKs for downloading the files from amazon server &amp; Handling permissions based on user login. Those files are the Company presentations for our company sales team. Those presentations having shares data. Supporting iOS 7 and iOS 8 compatibility.

**Project 2:** RBP Analysis Platform

**Duration :** September 2014to February 2015

**AppStore Link:** In-house Application

**Description:** This is our company own project This is available in App store, The main purpose of this module is to shows users a graphical representation of company information such as RBP probability and Returns. Any index or funds past trending can be seen with this graph. Company information and industry information can be compared for certain duration of time.

Any company growth or loss can be presumed by this graphical comparison. This graph will be a great benefit Advisor, Financial Institution, Mutual Fund Manager and Retail Investor. They could use this graph and analyze from time to time to see the changing market trends, so we have integrated shinobi controls to show the data ,there are categories company-Indexes, Market indicators &amp; stock market

ratings, fund components.

**Responsibilities**

* Understanding the requirements of the current project.
* Designing the Views Using Interface Builder.
* Making connections and Application Coding using Objective C.
* Maintained ongoing education on contemporary mobile app development techniques to expedite programming efforts and preserve cutting-edge status within Product or Service market.
* Researched on selected APIs, third party library's, Customized components for integration into development projects.
* Monitoring the Technical issues and Production releases to customers
* Participate in code reviews, write automated tests, and help define our technical roadmap.
* Deployment of builds & Jenkins Auto integration.

**Client Name:** Zco Corporation, NY

**Role:** IOS Engineer

**About Project**

**Project 1:** Squeeze Meter

**Duration :** Aug 2013 to August 2014

**Description:** The Squeeze Meter app will work in tandem with the Squeeze Meter device, which is used to measure the force with which s/he squeezes the Squeeze Meter. The app allows the comparison of the subject’s force measurement with his/her own average readings from the past. It can also be compared with average data available for the subject’s age group in the app. The default display will be on monthly basis. Historical data can be further granulated to the daily and hourly levels. Multiple users can use this app on the same device.The reading on the Squeeze Meter is transferred via Bluetooth LE to the iOS device for storing in the database. For comparison purpose, recorded data is retrieved from the server using web services.

**Project 2:** Crash Alert

**Duration :** January 2013 to August 2013

**Description:** The importance of this one is it will find out the speed of vehicle while traveling by GPS &amp; acceleration it will inform to the emergency contacts. users will get alert by local notification If application is in back ground. If our vehicle is damaged, we can select damaged parts in our app &amp; user can send the report to insurance providers &amp; share to social networks.

**Project 3:** My Medical Journal By Nicole Sampson

**Duration:** December 2011 to December 2012

**Description:** My Medical Journal is a free iPhone &amp; iPad app enables the user to Indicate his or her pain on the human body. You can use My Medical Journal for recording pain, notes, check up’s, medications, doctor’s information, scheduling appointments, and pill reminder. Further more the app features an option to email &amp; print your “Journal entries” to your doctor and or chosen recipient. The sole purpose of this app is to help the user and their doctor have a better understanding of the user’s pain and symptoms. In hopes of recording journal entries and tracking the patient’s progress, your physician will help answer health questions such as “ Why am I experiencing pain?” and “How do I become pain free?”

**Responsibilities**

* Designing and building mobile applications for Apple’s iOS platform.
* Collaborating with the design team to define app features.
* Ensuring quality and performance of the application to specifications.
* Designing and implementing application updates.
* Maintaining the code and atomization of the application.
* Fixing application bugs before the final release.
* Publishing application on App Store.

**Experience & Expertise**

* Understanding of Apple's design principles and interface guidelines.
* Experience with Realm Library integration and Twilio library integration.
* Good Knowledge on accessing data from the Wireless & IOT Devices such as Bluetooth devices, beacons and RFID.
* Good Knowledge on C programming, CPP and Core Java.
* Worked on Google Maps API for geo coding and reverse geo coding to drop the pin for an address to the Map View.
* Worked on directions from source location to destination location.
* Experience with third-party libraries and APIs.
* Working knowledge of the general mobile landscape, architectures, trends, and emerging technologies.
* Known operating systems are Windows XP, Mac OS.
* Strong sense of elegant and usable mobile UI, object-oriented programming, multithreaded programming, unit tests, session management, object relational mapping, object caching, XML/JSON parser, web service.
* Experience with Flutter widgets, IntelliJ IDE, Android studio. Experience with Memory management and ARC.
* Experience With Web Sockets to develop Chat Applications.
* Experience With Indoor positioning system to communicate with IOT devices like Beacons, BLE devices & WiFi Devices.
* Experience With GPS, Accelerometer and Gyroscope to get device sensor proximity & locations.