**Sai K**

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**Experience Summary:**

* Having 6+ years of experience as Mobile Application development environment using iOS SDK, and as Java Developer using Java, JEE, and its related Technologies.
* Around 5 years of experience in Mobile Application development for iPhone/iPad using iOS SDK (Cocoa Touch, Media, Core Services Frame works), XCode, Swift, Objective-C.
* Well versed with all phases of Software Development Life Cycle (SDLC) with designing and implementing the software, debugging, fixing and maintaining the software.
* Proficient in creating and customizing different Multi Views like Table Views, Tab Bars, Navigation Bars and Collection Views and working with its related Data Source and Delegate protocols methods.
* Hands on experience on Grand Central Dispatch(GCD) and NSOperationQueue to achieve multithreading, Closers, Extensions, Custom Protocols, Delegates, Notification Center, KVO.
* Professional experience on various persistent stores like SQLite3, Core Data Framework, querying using NSPredicate, UserDefaults, KeyChain and plist in all iOS Native Applications.
* Expertise in working on RESTful web services, NSURLSession, JSONSerialization, Multi-Threading and blocks, working with the Third-party SDK integrations such as Google maps, Twitter, Brain Tree API, PayPal API etc.
* Highly accomplished in Auto Layouts, Compact and Regular Size classes, various kind of Gestures, Timer, Core Animation and some behaviors like Gravity, Attachment, Collision Behaviors.
* Proficient in developing various segues like Show, Show Detail, Popover, Model Segues, Alerts and Action Sheets.Strong knowledge on BLE, CoreBluetoothFramework APIs for the app to connect different devices of Apple.
* Expertise in working with Test Driven Development process and XCTest Framework to develop test cases, major tools like Jenkins, Source Tree, Git and JIRA for flexible issue and project tracking.
* Good exposure on various design patterns MVC, MVP, Delegation, Target-action and Singleton Pattern.
* Working experience on various software development methodologies, Agile Software Development, Paired Programming, Waterfall methodology and Test-driven Development approach.
* Great Experience on Object Oriented Programming (OOPs) Concepts.
* 3 years of experience as Java Developer using Client Script design technologies like HTML, CSS, XML, JavaScript. Having experience on Multi-Threading and Collections frameworks, JDBC, Servlet, Jsp.
* Proficient in using trending frameworks, Spring and Hibernate to implement business logics and to include services (JMS, Transaction, Security, Mail, Quartz) dynamically by working with Spring AOP module.
* Expertise in SOAP and RESTful web services. Used SOAPUI, Postman and Poster tools to test the web services.
* Exceptionally well organized, strong work ethics, willingness to do hard work to achieve client requirements, excellent analytical and leadership skills, strong ability to multi task and prioritize workload.

**Technical Skills:**

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| Languages | Swift 3.x/4.x, Objective C, C, Java 7, J2EE 6, CSS, Java Scripts, XML, HTML. |
| Frameworks | Cocoa Touch, Core Foundation, UIKit, AV Foundation, Core Graphics, Core Location, Core Data, Core Animation, Core Bluetooth, Notification Center, WebKit, XCTest, Phonegap/Cordova, Spring, Hibernate, Brain tree API, PayPal API. |
| Web Services | RESTful Web Services, SOAP, JSON, XML. |
| IDE/Tools | Xcode, Eclipse, JUnit, Log4j, GIT, SVN, Jenkins, JIRA, Source Tree. |
| Operating Systems | MAC OS X, Windows, Linux, iPhone / iPad OS, Windows 7, Vista, XP |
| Databases | SQLite3, Core Data Framework, Oracle 9i/10g, MS-Access, MySQL. |
| Design Patterns | MVC, MVP, Singleton, Delegation, Protocols. |

**Professional Experience:**

**Client: Sirius xm , Irving, Tx April 2017 – Till Date**

**IOS Developer**

**Responsibilities:**

* Developed applications using Swift, XCode and different Frameworks Cocoa Touch, UIKit, Core Foundation, XCTest, AdobeMobileSDK, FontAwesome.
* In addition, working with Java Backend, Web Services, Spring boot, PostgreSQL database, Liquibase, JPA to develop RESTful API. Used swagger to document and test developed services.
* Experience with voice interaction apps, NLP experience (Lex/Dialogflow/Nuance/Rasa), Chatbot/Voice experience.
* Worked on Native application using Objective C, Swift (versions: 2 and 3), IOS SDK.
* Worked extensively on tab bar and table view controller.
* Knowledge or hands on experience with the latest advances and trends in Apple mobile technologies (e.g. NFC, iBeacons, Apple Watch)
* Worked on the live stream category by implementing HLS from AVFoundation.
* Worked in development teams using Continuous Integration with Xcode Server and/or Jenkins
* Used realmdb, model classes to maintain offline data in iPad.
* Customized various Multi-Views like UITableViewController, UINavigationController, UITabBarController, Segment Controller, SplitViewController, PopoverViewController.
* Design and implement a maintainable and understandable set of Jenkins jobs and rake tasks to handle our high-velocity two-week release cycle
* Worked extensively on BUG Fixing based on crash reports.
* Implemented Custom TableViewCells, CollectionViewCells to segue from different View Controllers for smooth transitioning and better user experience intergraded animation between UIViews.
* Designed an attractive UI with UIKit, Font-awesome Frameworks.
* Used Cocoapods for integrating different dependency management and library frameworks.
* Developed Unit tests and Integration tests for iOS app using XCTest framework and Junit, Makito frameworks to develop sever side test cases.
* Worked with Fastlane tools to automate deployments and releases for our iOS apps.

**Environment: IOS10.2.x (iPhone SDK), Mac OS X, Objective C, Xcode 8, Cocoa Touch, Cocoa framework, iPhone Simulator, HTML, XML, JSON, GitHub, HTML5, CSS3, C#, Xamarin. Forms, Xamarin. UITest, CoreData, Test Cloud., Foundation, UIKIT, Font-awesome, Localize- Swift, JIRA, Confluence, swift-lint, realm, RESTful API, Cocoapods, Carthage, Fastlane tools, Spring boot, PostgreSQL, IntelliJ Idea, Liquibase, Sonarlint, dbvisulizer, Gradle 4.4.1, AWS, Hibernate, Junit, Mockito, Swagger, JPA.**

**Citibank, New York March 2016 – April 2017**

**IOS Developer**

**Responsibilities:**

* Developed application using Swift, XCode and different Frameworks Brain Tree API, PayPal API, Cocoa Touch, Core Foundation, Core Location, Core Data, Notification Center, XCTest.
* Worked with Brain Tree API and PayPal API to implement payment section to purchase gun show tickets. Worked on Sandbox and Production environment.
* Worked with UIKit Framework to develop front end screens and custom views.
* Used Grand Central Dispatch(GCD), NSOperation queues for implementing complex multithreading features on the application
* Extensively worked with URLSession, JSONSerialization to retrieve data from server using RESTful web services.
* Worked extensively with Core Data framework and created entity classes to store downloaded data from server.
* Worked extensively with Objective C, Swift, Cocoa Touch, Map Kit Frameworks, and Cocoapods.
* Developed an application to client specs for internal corporate use.
* Initiated migrating the app to Swift language and IOS based Storyboards using Xcode beta.
* Used custom search bar controller to search for inventory and used custom predicates to filter the results according to user preferences.
* Worked with product owners, BAs and PMs in defining and managing the business and technical requirements.
* Customized various Multi-Views like UITableViewController, UINavigationController, UITabBarController, Segment Controller, IPad specific SplitViewController, PopoverViewController.
* Worked extensively on BUG Fixing on production environment and updated App in App store.
* Implemented Custom TableViewCells to segue from different View Controllers for smooth transitioning and better user experience intergraded animation between UIViews.
* Used UserDefaults and KeyChain to maintain the user status and required data throughout the application.
* Used a Test-Driven Development (TDD) environment with XCTest Framework for Unit Testing.
* Followed Agile/Scrum development methodology to provide end-to-end development and conduct daily standups, sprint grooming and planning meetings.
* Made general UI improvements by using size classes to optimize the app for both iPhone and iPad, and used Auto Layout to replace UI work that was done programmatically.
* Worked on debugging, continuous evaluation and implemented new technologies to maximize development efficiency.
* Did pair programming to develop different Restful plugins, and helped mentor other developers.
* Worked with Git, Source Tree for merging branches, updating repository, checking out code, rollback commits to undo changes.

**Environment:** **iOS 10/11.x, OSX 10.12, XCode 8/9.x, Swift 3/4.x, Core Foundation, Wordpress, PHP, Brain Tree API, PayPal API, Google Maps SDK, Cocoa Touch, Core Data, Core Location, MapKit, TDD, XCTest, REST, JSON, GitHub and Git, Source Tree.**

**Infotech, Hyderabad, India May 2012 to Aug 2015**

**Junior iOS Developer**

**Responsibilities:**

* Developed application using Swift, XCode and different Frameworks Cocoa Touch, Core Foundation, Core Location, Core Data, Notification Center, XCTest.
* Developed application by following MVC design pattern and developed delegates for updating model information.
* Workke with Grand Central Dispatch (GCD), blocks, completion handlers, NSOperation Queue to manage asynchronous operations to optimize request and response web service calls.
* Customizing the views using table views, tab bars and navigation bars for different views in an application.
* Implemented Custom TableViewCells and worked with xib files to reuse one cell in multiple screns.
* Worked with MapKit, CoreLocation and MKAnnotation to make UI tweaks on the map view and enhance functionality to get the latitude and longitude co-ordinates.
* Used UserDefaults and KeyChain to maintain the user status and required data throughout the application.
* Involved in designing the database architecture using Core Data framework.
* Worked with TDD and XCTest frameworks for unit testing.
* Worked extensively at the end of development cycle to minimize memory leaks and assure overall application stability.
* Involed in devloping iOS and Android applications using HTML5, CSS, JavaScript, Ionic, AngularJS, React Native, node.js and jQuery
* and the PhoneGap/Cordova SDK as part of a research effort to cache observational data on disconnected devices.
* Incorporated the Push Notification feature using APNS, in order to notify the user about order status and deals.
* Worked with AlertViewController and created various alerts to instruct the user while using the app.
* Developed the UI layout with Storyboards, Autolayout Constraints, and Size Classes
* Major role in fixing and debugging during the testing phase of the project.
* Did pair programming on occasion, and helped mentor other developers.
* Worked with Git/Github for source control, created branches, and merged to the main development branch.

**Environment:** **IOS 9.x/10.x, OSX 10.12, XCode 8.x, Swift 3.x, Core Foundation, Google Maps SDK, Cocoa Touch, Core Data, Core Location, MapKit, TDD, XCTest, REST, JSON, GitHub and Git, Jenkins, Agile.**

**Education:**

* **Masters in Computers and Information Science, California University of Managements and Sciences, San Diego, California.**