

Summary

- 5+ Years of experience in the IT industry with Architecture, Analysis, Design, Development, Maintenance, Debugging and Testing of iPhone and iPad Applications.
- Expertise in iOS SDK
- Experience with mobile analytics implementation
- Experience with Objective-C and Swift programming
- Excellent analysis skills and the ability to develop processes and methodologies
- Ability to rapidly learn and take advantage of new concepts, business models, and technologies
- Experienced in designing and developing mobile SDK and integrating mobile apps with web-services and external APIs
- Designed overall solutions and individual applications

Specialties/Technology

Objective C, Swift 2.0/3.0, Design patterns including MVC, MVVM, UIKit, External Accessory Framework, CoreData, Cocoa Touch.

Highlights

- Developed applications using RESTful API, local database (CoreData) and various SDK features.
- Coded iOS side 256-bit Encryption for cross platform usage for communication between mobile apps.
- Implemented algorithm for targeted advertisements on iOS using the profile information of the user stored only on the device. As per requirement, user's profile information could not be stored on a server so all the advertisements were sent to the device and the algorithm picked the ads that were relevant to be shown to the user.
- Implemented complex user interface where the user's calendar data, health data (Apple Health), targeted daily questionnaire responses were to be shown in a chronological order on a day based map. The data involved here was huge as it contained data for past, current and future entries over periods ranging from 1 week to 6 months.
- Implemented dynamic incident forms for an app where the UI Components were placed on the screen on runtime and the data that was to be prefilled came from tables in the local SQLite database where data rows in the tables were in the range of 1500 to 25000 entries per table and was further based on role of the user. The dynamic form was optimized to complete loading with all accessible data in under 2 seconds.

Brief Introduction to Experience

Mobile solution for Encrypted communication

Description

This solution provides a means for the millions of mobile device users to apply military-grade encryption to their everyday communications. It is a newly-designed app that will allow users to keep their communications secure against threats of misuse. This app will secure all communications, which is perfect for those people who are uncomfortable with their private messages being viewed by anyone other than the intended recipient. The application secures the text, images, and videos sent through the app over SMS and the intended recipient needs to enter a passcode to decrypt the message. The messages are secured further with a viewing limit after which even with the correct passcode, the actual message cannot be read again. Since the messages are sent as SMS, there is no server / storage involved so hacking the backend server also will result in no private information being leaked.

Responsibilities

- Implementing the UI and business logic for the application.
- Implementing 256-bit encryption and decryption for message security
- Developing a custom keyboard with the option to take photos, view photo gallery, shoot videos.

Shopping app for iOS

Description

This mobile app is a shortcut to the customer's online store and online catalog. With the mobile app, users can view product catalogue along with information on availability in the various warehouses. App provides search and filter capabilities to find products in the customer's online product catalogue. Each product is accompanied with product data (attributes) and product documentation. Price information along with discounts based on user's contracts with the customer is also made available in the app. The app gives the ability for the users to create their shopping cart and check it out. Payment is made offline though. Final order details with total discount availed is displayed in the app before the user places the order. Mark products as favorites for easy accessibility at a later stage and choose pick-up / delivery at the time of order and view availability and delivery timelines are some other notable features in the app.

Responsibilities

- Lead developer on the app.
- Responsible for creating the algorithm for calculating the cart price while taking into consideration the various contracts user / user's company has with the customer.



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iOS Programming –Senior Developer

Education

- Masters in Computer Application