


# Parth Shah


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## Summary

- With over 5 years of professional experience, I have honed my expertise in iOS and Android native app development as well as cross-platform development. With a particular focus on cross-platform technologies, showcasing a deep understanding of the mobile app development lifecycle.

## SKILLS

**Front End Technologies:** Swift, Java, Swift UI, ReactNative, Redux, Objective-C, JavaScript, Typescript, UIKit, HTML, CSS, Cocoa Touch, iOS Frameworks, Offline storage and threading

**Back End Technologies:** Node.js, Express.js, REST APIs, Firebase

**Database Technologies:** No SQL, MongoDB, SQL, Oracle, MySQL, PostgreSQL, JDBC

**Soft Skills:** Self-motivated, Strong Communication, Problem-solving, Project Management

**Other Tools:** IntelliJ, Visual Studio, Xcode, Git (GitLab, Bitbucket), Confluence, JIRA, Android-Studio

**Cloud Technologies:** Azure DevOps, Google Cloud Platform, Google Firebase, AWS

## EXPERIENCE

### Humber College (Canada)

#### *Research Assistant - Mobile App (March 2024 - Present)*

- Designing scalable and sustainable cross-platform mobile apps utilizing React Native, guaranteeing outstanding performance and reliability.
- Implemented CI/CD pipelines in Azure DevOps for seamless deployment of changes across the environment, contributing to the high availability and scalability of the solution.

### Mobio Solutions (India)

#### *Mobile App Developer (September 2021 - July 2022)*

- Designed and developed native mobile applications for the Android and iOS platforms using Java, Objective-C, Swift, Swift UI, and React native.
- Wrote unit tests using the XCTest framework to ensure code quality and maintainability in Swift and SwiftUI projects.
- Restructured app architecture for scalability, handling 100,000+ daily active users efficiently.
- Worked in Git/GitHub for collaborative development, coupled with a deep understanding of design patterns like MVVM and MVC for efficient code structuring.
- Utilized UIKit frameworks such as Core Animation, Core Graphics, and Core Data for complex UI animations, graphics rendering, and data persistence in iOS applications.
- Analyzed crash reports from various sources, including the App Store, TestFlight, physical devices, and simulators, to diagnose and resolve application crashes and stability issues.
- Managed App Store Connect metadata and distribution processes, ensuring smooth app submissions, updates, and releases on the App Store.

### iTechnosol Inc (India)

#### *iOS Developer (January 2019 - August 2021)*

- Developed and published commercial-grade mobile applications for iOS and Android platforms using native languages, resulting in increased user engagement and market responsiveness.
- Improved data synchronization across devices for a seamless user experience, raising app ratings by 0.5 stars.
- Integrated the latest iOS features to keep the app competitive, sustaining a 4.5+ star rating.
- Optimized memory usage and reduced app launch time by 30% through efficient coding.
- Utilized knowledge of the iOS app lifecycle, including memory management, performance optimization, and efficient use of system resources.

- Participated in Agile/Scrum software development methodology, including sprint planning, daily stand-ups, sprint reviews, and retrospectives, to deliver high-quality software iteratively and incrementally.
- Developed UI tests using the XCTest framework to automate user interface interactions and verify app behavior across multiple devices and iOS versions.
- Utilized URLSession's data, upload, and download tasks to interact with RESTful APIs, fetch remote data, and download resources asynchronously.

## EDUCATION

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**Humber Institute of Technology and Advance Learning** ( Sept 2022 - April 2024 ) Information Technology Solutions

**Gujarat Technological University** ( June 2015 - March 2019 ) Bachelor of Computer Science And Engineering

## Projects

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### Atlantic Connect

**Technologies used:** React-native, MongoDB, Node.js, Redux

- Utilized React Router for declarative routing in single-page applications (SPAs), facilitating efficient navigation and URL handling within the application.
- Integrated Redux for state management in React applications, ensuring efficient data flow and predictable state behavior across the application.

### Book-Barter

**Technologies used:** SwiftUI, Firebase, MongoDB, Node.js

- Created a SwiftUI application for managing and exchanging books locally, implementing features for book donation and exchange within nearby areas.
- Managed the state of SwiftUI views using @State, @Binding, @ObservedObject, and @EnvironmentObject property wrappers to trigger UI updates based on changes in the application state.
- Leveraged SwiftUI's two-way data binding capabilities to establish dynamic relationships between model data and UI elements, ensuring real-time updates.

### Hylt - IOS - White Label App

**Technologies used:** Swift, Node.js, GRDB database, Agora video call, Firebase, OneSignal

- Worked on Advanced Encryption, Adaptive User Interface, Backup and Restore Functionality, Real-time Communication Tools, Social Media Integration, Performance Optimization, and Memory Management.
- Integrated Google Cloud Platform (GCP) services into iOS applications, utilizing tools such as Cloud Firestore for real-time database management and Cloud Functions for serverless backend processes.
- Integrated third-party libraries and APIs seamlessly to expand app functionality and enhance user experience.

### Hi World Connect

**Technologies used:** React-native, Node.js, MongoDB, Firebase

- Developed a comprehensive platform for creating, sharing, and managing digital business cards.
- Utilized technologies such as Context API, React Hooks, and Redux for state management, alongside native modules and third-party libraries to enhance app performance and user experience.
- Implemented Redux middleware for handling asynchronous actions, such as API requests, and managing side effects within React applications, ensuring seamless data retrieval and manipulation.

### Glimpulse

**Technologies used:** Swift, Core Data, Firebase Cloud Messaging (FCM), SceneKit

- Developed an innovative app for designing and sharing personalized stickers for special occasions.
- Implemented Core Graphics and Core Animation for dynamic sticker customization, offering users a creative approach.
- Integrated OneSignal for push notifications, managing certificates, and signing including certificate pinning and provisioning profiles to ensure secure, efficient, and reliable messaging capabilities within the app.