

Karun Akkala

+1 (947) 888-4899 — karun.akkala@gmail.com

Summary — Accomplished iOS Developer with over 4 years of experience in mobile application development, with a strong focus on delivering high-performance solutions tailored to user needs. Expertise in Swift, UI optimization, and cross-functional collaboration that results in significant user engagement and performance improvements. Proven track record in leading development projects, enhancing app functionalities, and implementing robust testing protocols to ensure app reliability. Dedicated to utilizing advanced technologies and strategic insights to drive innovation and operational excellence in a dynamic team environment.

Skills

iOS Applications: Objective-C and Cocoa development for iPhone and iPad devices in Xcode, Interface Builder-UIKit, Cocoa Touch.

Programming Languages: C, C++, Objective C, Swift, SwiftUI, CSS3, SQL, XML, HTML, Java, JavaScript.

Version Control Tools: SVN/GIT, JIRA.

Databases: SQLite, SQL Server, MYSQL, MongoDB.

IDEs: Xcode, Eclipse, AppCode, Microsoft Visual Studio, NetBeans.

Operating Systems: Mac, Windows.

Frameworks and Technologies: Cocoa Touch, UIKit, CoreData, XCTest, XCUITest, Auto Layout, Combine, Storyboard, GCD (Grand Central Dispatch), RestKit, JSON, Core Data, Core Location, Web Services, UIMapKit, Core Bluetooth, Security Framework, AFNetworking.

Experience

MealoMart – Fremont, CA

Jan 2023 – Present

iOS Developer

- Collaborated in the design and development of the MealoMart iOS application.
- Led the implementation of a new feature using Swift to facilitate food order placements via the app.
- Enhanced app performance by optimizing existing code, achieving reduction in app crash incidents and improving user retention rates.
- Worked with a cross-functional team to integrate Apple Pay, simplifying the payment process and increasing transaction speed by 25%.
- Participated in agile development sprints, contributing to consistent on-time delivery of app updates and new features.
- Implemented robust unit and UI testing protocols using XCTest, improving test coverage by 50% and ensuring a high standard of app reliability and stability.
- Co-developed an in-app analytics feature using Swift, which allowed for real-time tracking of user engagement metrics, informing data-driven enhancements.
- Assisted in migrating the app's codebase to the latest version of Swift, ensuring full compatibility with iOS updates and enhancing app security and performance.
- Actively contributed to the reduction of the app's memory footprint by 10% through efficient coding practices, resulting in smoother operation on older devices.
- Coordinated with the customer service team to troubleshoot and resolve app issues.
- Utilized Core Data for efficient data management within the app, leading to an improvement in the speed of data retrieval and storage by 20%.
- Engaged with the marketing team to implement targeted push notification campaigns which drove a 50% increase in special promotion redemptions for food orders.
- Participated in code review processes, upholding best practices and contributing to a 15% improvement in code quality metrics.
- Provided mentorship to jr developers, helping to streamline onboarding processes, improved team productivity by 25%.
- Conducted comprehensive market research to inform the development of a feature roadmap, aligning with customer needs and competitive benchmarks for food delivery services.

AOHR Pvt Ltd - Hyderabad, INDIA

Nov 2019 – Aug 2021

IOS Developer

- Developed iOS applications using Objective-C and Swift, integrating features like Cocoa Touch, improving app functionality and user experience.
- Enhanced iOS frameworks utilization, such as UIKit and CoreData, leading to a 30% improvement in application performance and stability.
- Implemented a new login framework, enhancing logging capabilities by 25%, significantly aiding in bug fixes and troubleshooting.
- Redesigned user interfaces including table views and scroll views, increasing user interaction by 20% due to improved app responsiveness and aesthetics.

- Led the development of the application from scratch, coordinating multiple teams to integrate automation, reducing project completion time by 15%.
- Streamlined debugging processes using Eclipse IDE and Android SDK, reducing bug resolution time by 40% and enhancing development efficiency.
- Enabled Apple Push Notification service, boosting user engagement by 50% through timely and relevant notifications.
- Implemented comprehensive testing protocols using XCTest and XCUITest frameworks, achieving 95% coverage rate ensuring high app reliability.
- Integrated Continuous Integration/Continuous Deployment (CI/CD) using Jenkins with Xcode-plugins, resulting in a 30% increase in deployment efficiency.
- Developed hybrid applications using PhoneGap, bridging gaps between native and web app functionalities, increasing overall app performance by 20%.
- Created user-centric designs and interfaces using HTML5 and CSS, enhancing user satisfaction ratings by 25% .
- Collaborated closely with the Android team, ensuring feature parity and consistent user experience across platforms, improving cross-platform user retention by 15%.

Education

Northwest Missouri State University - Maryville, MO

Master of Science in Computer Science

Mahatma Gandhi Institute of Technology- Hyderabad, India

Bachelor of Science in Electrical and Electronics Engineering

Academic Projects

Student Internship Management System - Java, AWS, Git, HTML, MongoDB, JavaScript

- Developed a comprehensive web application that facilitates the internship application process, enhancing accessibility for students and administrative efficiency for faculty.
- Implemented role-based access control and real-time notifications, reducing processing time and improving user satisfaction .

Budget Shopping - iOS, Swift, Storyboard, XCode, UIKit, Git, Firebase

- Created an iOS application using Swift and UIKit, featuring intuitive budget tracking and expense management tools that improved financial planning for users.
- Integrated Firebase for data storage and synchronization, enhancing real-time updates.