Bilal Khan

+91 9004778686 | bilal.khan78619@gmail.com | LinkedIn | StackOverflow | Github

---

PROFILE SUMMARY: 5 Years of experience as **Native iOS Developer** & App Tech Lead, working in a core team where I was responsible for development from scratch and guiding other cross platform team to meet the quality and security assurance.

SKILLS

- **Programming Languages**: Swift, Objective-C, Swift-UI, C/C++, Java, Core PHP.
- **IDEs, Dependency Manager & Architectural Patterns:** Xcode, Cocoapods, Swift Package Manager (SPM), VSCode, Android Studio, MVVM, MVC.
- **UI/UX Implementation & Prototyping:** Figma, Adobe XD.
- **Tools: Project Management** (Asana, Jira, Trello), **Bug Tracking** (Bugzilla, Jira, Freed Camp), **Analytic** (Google Analytics, Meta Analytics, Custom Analytics on Dashboard)
- **Database & Data Persistence:** Keychain for Secure Data Storage**,** Core Data, RealmSwiftDB, Firebase Firestore, MySQLi.
- **Payment Gateway & In-App Purchases**: Paytm, Razor Pay, Stripe, CashFree, PayU, StoreKit (Apple In-App Purchases).
- **Third Party API's**: Google Maps, Google Place Search API, Google Routes API, Google AdMob, Google Ads, Alamofire, WebSocket, Firebase (Remote Config, FCM, Firestore, Crashlytics, Analytics), Deep linking.

EXPERIENCE

WDI (JUNE 2023 - Present)   **Mumbai, India**
Senior iOS Developer & App Tech Lead.

- Developed **WOKA (1M+ Downloads, 300+ MAU's) & SimpliTend** app from scratch, Guided Junior Android developer and keeping both iOS and Android app in sync with native features. Got the app successfully launched on iOS App Store and Android Play Store.
- Optimized the app for adaptive refresh rates, dynamically adjusting between 60Hz and 120Hz on iPhones with Pro-Motion technology. Ensured a seamless user experience by efficiently handling network calls on a background thread while delivering smooth, high-frame-rate UI updates on the main thread.
- Improved the app performance, by checking Realtime stats in Debug Navigator, analyzing memory leaks, optimized memory usage by weak references, handling background processing.
- Improved 60% of coding skills by following good practices from guides and medium, guiding the App Team and successfully adapted the coding patterns which led to good scaling apps.
- Developed a reusable iOS library that can be directly imported and used without external dependencies. This library enhances project efficiency, reducing dependency on third-party frameworks while improving development timelines by 10-20%
- Adapted the Versioning of app to the stores, E.g. 1.2.3, 1.x.x- Major updates, x.2.x – Feature Update, x.x.3 – Patch version (Hotfixes).
- Got Appreciation from clients for Developing the app which has high performance and also added the crash monitoring tools, so even a small crash could be identified and fixed in updates.
- Adapted new branching methods to achieve more detail versioning of the software. Main – It will only hold the final release with tags, Dev branch – Developers will make commit in this branch, Feature branch – When working on a new feature if it's successful Dev branch will take the pull from this branch and feature branch will be deleted, Hotfix branch – If release 1 has some bugs this hotfix branch will open up from release version fixes will be done and then main will take pull from this and making it version 1.0.1, Release Branch – when development is done we create a release, after QA approval the main branch will take pull from release.
- Led the React Native team in adopting Redux to enhance state management and compensate for missing native features, such as iOS's default swipe-to-go-back navigation. Designed a scalable project structure using MVVM architecture, ensuring a clear separation of responsibilities for improved maintainability and future growth.
- Managed the deployment of 8-10 apps on both the App Store and Play Store, ensuring smooth releases, handling submission processes, and implementing minor tweaks as needed.
- Guided the App Team on compliance with guidelines and documented rejection reasons in an Excel sheet to prevent recurring mistakes during future uploads & made a checklist which can be followed by app developers before uploading app.

COLOR BRACKET (JUNE 2022 - MAY 2023)   **West Bengal, India – Remote**
Senior iOS Developer.

- Developed **Dripple** app from scratch, Guided Junior Android developer and backend node team to keep the app in sync. Got the app successfully launched on iOS App Store and Android Play Store.
- Synced with backend team and improved the API call time by optimizing the query.
- Implemented Lazy loading, decrease the load on backend query also optimized the frontend to load list in pagination avoiding bulk rendering of cells.

ZN SOLUTION (DECEMBER 2021 - MAY 2022)   **Pakistan - Remote**
Senior iOS Developer.
- Developed **Locticia & Rezolvex** app from scratch. Got the app successfully launched on iOS App Store and Android Play Store.

FEROFLY (FEBRUARY 2021 -DECEMBER 2021)   **Delhi, India - Remote**
Junior iOS Developer.
- Worked on a project which was 60% completed, added features and adapted the MVC pattern and got the project completed for production. Worked on custom map animations, which had moving annotation from source to destination.
- Integrated crashlytics, remote config, shimmers, async network calls.

FUTURE GRID TECHNOLOGIES (MAY 2019 - NOVEMBER 2019)   **Bangalore, India - Remote**
Fresher PHP Developer & iOS Developer.
- Worked on Website Backend to make it dynamic using PHP with CodeIgniter Framework.
- Started Learning iOS and making small app from tutorial.

PROJECTS

- **WOKA – Kids TV, Cartoon & Games**

Developed the WOKA Kids Entertainment and launched an iOS app with **1M+** downloads and recent achievement **300K MAU's**, offering safe, engaging, and educational content for children. Features include a variety of kids' web series, interactive games, storybooks, audiobooks, Kids FM radio, and video streaming with educational and entertainment options. The app also includes Kids Live TV, Karaoke for kids, and a curated shop with age-appropriate books and educational materials. WOKA provides a comprehensive, child-friendly library that promotes creativity, learning, and fun. Used analytics and converted the events for campaigns.

Key Features (**JwPlayer, AVPlayer (Air Play & Picture in Picture), Live TV, Karaoke, Live Streaming, FM, Google Analytics tool, AdMob, Crashlytics, Google Performance, RemoteConfig, Firebase, Conversions of analytics to Google Ads for campaigns, Meta Analytics**)

- **SimpliTend – Senior and Caregiver app**

Developed SimpliTend, an app designed to support seniors, particularly those suffering from dementia, by promoting independence while keeping caregivers informed. The app features separate logins for seniors and caregivers. The app offers a simplified interface with key functions for seniors like calling, chatting with caregivers, accessing important apps, directions home, and an SOS button for emergencies. Caregivers can monitor seniors' profiles, medication schedules, and activities, receiving notifications when necessary. The app also includes geofencing, alerting caregivers if the senior ventures outside a designated area, ensuring safety and providing peace of mind for families.

Key Features (**Call Blocking, App Blocking, Geofencing, SOS, Sockets for real time updates, Crashlytics, Google Maps, Google Places Search, Google Routes API**)

- **Dripple – User Convenience app.**

Developed two multi-functional apps from scratch for users and merchants, integrating food, grocery, pharmacy, and courier delivery, along with on-demand services and intercity rides with driver bidding. Utilized AWS for custom authentication and S3 file uploads, Google Places API for location search, and live tracking with Maps. Optimized performance through threading and modular storyboard approaches, ensuring scalability and reduced runtime.

Key Features (**Live Bidding, Sockets for real time updates, Crashlytics, Google Maps, Google Places Search, Google Routes API**)

- **Ferofly – Jet & Flight booking app.**
Developed animated moving map annotations with smooth transitions, optimized performance using concurrency for handling multiple network calls, lazy loading, and background threads. Added tab bar animations, integrated Firebase Remote Config and Crashlytics for crash analysis, implemented login with Facebook, Google and Apple SDKs, and enhanced user engagement with push notifications

- **Locticia – App for saloon users and admin.**

Developed a platform with two user types: admins and customers. Admins can create salon profiles with email verification, set business timings, provide a brief description, attach live or auto-detected locations, and upload high-quality images to a gallery. Customers can log in to view nearby salons, access their locations, and leave reviews with star ratings for a seamless user experience.

- **Rezolvex** – **App for complaints at Organisational level.**

Enabled complaint registration through a form with options to upload audio files and documents. Implemented a search feature to allow users to track the status of their complaints seamlessly.

- **UrSchoolApp** – **App for managing School Students Data.**
  Developed an app with separate logins for teachers and parents. Parents can view attendance, homework, school notifications, test results, and exam schedules. Teachers can update attendance, upload homework, and manage assignments. Integrated a YouTube player for seamless streaming of school videos.

- **LawUniverse** – **eBook App**
  Developed an eBook app with features for test exam preparation and progress monitoring. Utilized Realm DB for local storage with efficient CRUD operations and queries. Implemented an eBook reader with functionalities like dark mode, bookmarks, note-taking, word search with Google, and social sharing of pages. Enabled users to take tests and track their preparation levels.

- **Enlivengroup.com.au** – **Healing System Portfolio Website.**

  Backend-> CODEIGNITER(PHP), MySQLi.

OS PROFICIENCY
- MacOS.
- Hackintosh
- Windows
- Ubuntu.
- ChromeOS
- Linux.

PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS
- Have around **1.5K** reputation on **Stack Overflow** & impacted around **483K** people.
- Developed a reusable library to enhance code reusability and streamline development.
- Given solutions which made app to go live iOS specific.
- Managed a team of **15+ developers**, coordinating tasks, fostering collaboration, and ensuring project milestones were met.
- **Led the React Native team** while actively contributing to development by coding key features using **TypeScript**.

INTERESTS & HOBBY
- Building **Hackintosh/Mackintosh PC build** & projects with **raspberry Pi (NAS server).**
- Flashing custom Rom's, Rooting Android devices (Root terminal & portable Kali Linux), Jailbreaking iOS Devices for more customizations using Cydia & Sileo.
- Professional Gaming (PC & Consoles).
- Bike riding & Off-Road Riding.
- Collecting old phones and Tech.
- Retro Console Collection.
- PC Hardware repairing and solutions.

EDUCATION
- **LTCOE, Mumbai University**   Mumbai, India
  BE in Electrical Engineering
- **VPM's Polytechnic, Thane**   Mumbai, India
  Diploma in Electrical Power System.