Mahmoud Albelbeisi

Senior Mobile Engineer | iOS, React Native & Flutter | IoT Engineer | 8+ Years | 180+ Apps with Millions of Downloads

Website, LinkedIn, Github, Notion

Summary

Senior Mobile Engineer with 8+ years of expertise in designing, developing, and launching high-performance apps across iOS, React Native, and Flutter platforms. Developed 180+ apps across various industries, including a navigation app that increased daily users from 2,000 to 55,000 in six months. Directed the creation of an IoT-enabled fleet management system (+3000 cars) that allowed real-time tracking of vehicles, fuel consumption monitoring, and driver behavior analysis. Applied Clean Architecture and SOLID principles to develop scalable and maintainable solutions, leading to improved code quality and a 40% reduction in technical debt. Led cross-functional teams to deliver complex projects on time, resolving technical challenges and driving innovation in fast-paced environments.

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SKILLS

- **iOS**: Expert in Swift, Objective-C, SwiftUI, UIKit, Combine, Publisher, Async, Cocoa, Swift Package, CoreData, In-app purchases, State management, Unit Testing, UI Testing, Performance Tool, memory management, and Apple guidelines.
- React Native: Javascript, Typescript, Redux, Hooks.
- Flutter: Dart, Riverpod, Provider, State Management, Isar Database, Unit & Widget Testing.
- Database: SQL, MongoDB, PostgreSQL.
- Architecture & Principles: Clean Architecture, SOLID, MVVM, MVC, VIP.
- **IOT:** Device integration, real-time data processing, MQTT, REST APIs for IoT devices, sensor data analytics, and cloud connectivity.
- Firebase: Crashlytics, Analytics, Firestore, Realtime Database, Cloud Messaging, Remote Config, Cloud Storage.
- CI/CD: Jenkins, Fastlane.
- Version Control: Git (expert), SVN.
- Agile Methodologies: Scrum, Kanban.
- Other: REST APIs, JSON, Web Services, Testing, Use Case Analysis
- Soft Skills: Leadership, Mentorship, Teamwork, Communication

WORK EXPERIENCE

Technical Team Lead (Full-time), Airnxt 11/2024 - now - Dubai, UAE

- Played a pivotal role in developing a next-generation iPad application for the aviation industry, presented by Airnxt.ai at Apple's headquarters in the USA as a groundbreaking innovation in aviation technology.
- Delivered a robust, high-quality solution within a two-month timeline, setting a new standard for efficiency and advancement in the field.
- Engineered aviation-specific algorithms with real-time data synchronization, ensuring precision and reliability for critical operational workflows.

Senior Mobile Engineer (IOS & Flutter) (Full-time), IPC ideal solutions 01/2022 - 10/2024 - Dubai, UAE

- Led the development of a groundbreaking navigation app featuring proprietary maps and advanced route optimization algorithms. resulted in a significant growth in daily users from 2,000 to more than 55,000 within six months.
- Directed the creation of an **IoT-enabled** fleet management system (+3000 cars) that allowed real-time tracking of vehicles, fuel consumption monitoring, and driver behavior analysis.
- Directed the creation of an e-commerce app that generated \$40 million+ in product sales.
- Enhanced user experience (UX) through intuitive design and optimized performance. Achieving a 40% reduction in app load times via extensive performance tuning and code optimization.
- Applied clean architecture and SOLID principles to enhance maintainability, scalability, and testability across all projects, resulting in a 30% reduction in bug reports and a 25% increase in development efficiency.

Senior IOS Engineer (Part-time), Bee High five 05/2022 - 12/2023 - Abu Dhabi, UAE (Remotely)

• **Directed** the development and launch of the Bee Car Care app, a revolutionary car cleaning solution that resulted in a **40**% increase in customer bookings and a **25**% reduction in service wait times

IOS Trainer, Mercy Corps - 11/2021 - 01/2022 - Remotely

• Developed and delivered a comprehensive training program for **50 junior** developers, achieving a **95**% success rate. Focused on Swift, UIKit, Firebase, and MVVM architecture.

Senior IOS Engineer and Team lead (Full-time), BAMBOO Technology DMCC 08/2021 - 01/2022 - JLT, Dubai, UAE

- Managed a team of 5 developers to refactor a real-time chat system, improving reliability and security by 80%.
- Resolved 500+ issues, ensuring high performance and stability for the app.

Senior IOS Engineer, Entrepreneurial technologies for information Technology 12/2020 - 8/2021 - Saudi Arabia (Remotely)

• **Delivered 35 apps** within deadlines and budget. Leveraged Swift, UlKit, Firebase, and **clean architecture** to **minimize bugs** and ensure **long-term scalability**.

Senior IOS Engineer, UGB Company - 12/2019 - 11/2020 - Saudi Arabia (Remotely) IOS Trainer, Mercy Corps - 08/2019 - 12/2019 - Palestine IOS Engineer, Newline Tech. Company - 06/2015 - 11/2019 - Palestine EDUCATION AND CERTIFICATES

2012-2017 BSc. Mechatronics Engineering (93.66% CGPA) Excellent with Honors, AL-Azhar University of Gaza

ACHIEVEMENTS

- Achieved First Place in the Information Technology Category at the Students Innovation Conference (SIC 2018).
- Recognized as Distinguished Employee at Newline Tech Company in 2018 for exceptional contributions, resulting in a 20% improvement in project delivery timelines and increased team productivity.
- Published a paper titled "Palletizing Manipulator Design and Control Using Arduino and MATLAB" at the IEEE
 International Conference (ICPET) in 2017, contributing to a conference that featured over 200 participants and 50
 presentations.
- Supervised a team of schoolgirls to win first place in the "Line Follower" Robot competition

LANGUAGES

English - Advanced Arabic - Native Speaker