

Mustafa Kamal

Mobile App's Developer



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Profile

I have more than 5 years of experience as a mobile app developer. My expertise includes designing and developing scalable mobile applications using Flutter, native Android/iOS APIs, and custom packages. I specialize in responsive UI development, material design, and effective state management using BLoC and GetX. I have successfully deployed multiple apps with a focus on clean, secure coding practices. In addition to my mobile app development skills, I am proficient in PHP, MySQL, and UI/UX principles, and I have solid backend experience with Node.js for robust server-side functionalities. I am eager to apply my skills and expertise as a proven Flutter Developer.

Professional Experience

Mobile App, Techasus Arabia

06/2024 – present | Riyadh, Saudi Arabia

- Developed cross-platform mobile apps using Flutter and React Native for iOS and Android, optimizing for performance.
- Implemented responsive UI/UX components with Flexbox for smooth experiences across devices.
- Integrated RESTful APIs and managed data flows with Axios and Redux.
- Optimized app performance by reducing load times and memory usage.
- Collaborated with designers and backend teams to ensure seamless app architecture and design.
- Utilized third-party libraries like React Navigation for efficient routing.
- Troubleshoot and debugged issues using tools like Flipper and React Developer Tools.
- Maintained code quality with unit tests (Jest) and documentation.
- Deployed apps to App Store and Google Play Store, managing versioning and releases.

Projects

ForkKDS, Kitchen Display System (React Native | iOS & Android)

01/2026 – Present

- **Cross-Platform Development:** Built with React Native for iOS and Android, delivering a unified and responsive kitchen display experience.
- **Real-Time Order Management:** Displays incoming orders instantly, allowing kitchen staff to monitor preparation progress from start to completion.
- **Multi-Station Support:** Coordinates multiple kitchen stations simultaneously with customizable display modes arranged by station, table, or priority.
- **Sound & Visual Alerts:** Notifies kitchen staff of new orders and ready items via audio and visual indicators.
- **Order History & Analytics:** Tracks completed orders and provides performance metrics to optimize kitchen workflow.
- **Optimized for Busy Environments:** Engineered for speed and stability in high-volume restaurant, café, cloud kitchen, and fast-casual dining settings.

Fork Notifier 📧, Customer Order Tracking (React Native | iOS & Android)

11/2025 – Present

- **Cross-Platform Development:** Developed using React Native, supporting both iOS and Android with a responsive design optimized for various screen sizes.
- **Live Order Status Tracking:** Displays orders in real time across two states — "Preparing" and "Ready" — synchronized directly with the restaurant POS system.
- **Elapsed Time Tracking:** Includes a live timer showing how long each order has been in preparation.
- **Visual & Audio Notifications:** Features color-coded order cards with customizable colors and sound alerts triggered upon status changes.
- **Multi-Company Support:** Works seamlessly across multiple restaurant locations within the ForkPOS ecosystem.
- **Secure Authentication:** Implements a company login system with encrypted device activation for secure access.

ForkCDS 📧, Customer Display System (Enterprise POS Terminal) (React Native | iOS & Android)

07/2025 – Present

- **Cross-Platform Development:** Built with React Native supporting mixed Android and iOS deployments with Material Design compliance and RTL/multi-language support (English & Arabic).
- **Advanced Order Management:** Handles real-time order capture, complex menu modifier hierarchies, discount engines, and VAT-inclusive/exclusive tax computation.

- Worked in an Agile environment, contributing to sprint planning, code reviews, and team collaboration.

Flutter Developer, Nathan Digital

08/2023 – 05/2024 | Dubai, United Arab Emirates

- Work closely with project managers, UI/UX designers, and fellow developers to conceptualize, design, and develop engaging mobile applications.
- Transform wireframes and design mockups into efficient, maintainable, and user-friendly code for iOS and Android platforms.
- Develop and maintain backend components, APIs, and services to support mobile app functionality.
- Implement and maintain automated testing procedures to ensure app quality, performance, and responsiveness.
- Collaborate with the QA team to identify and resolve bugs, bottlenecks, and other technical issues.
- Stay informed about industry trends, new technologies, and best practices to improve development processes and user experiences.
- Participate in code reviews, knowledge-sharing sessions, and mentorship of junior developers.
- Contribute to the architectural decisions and technical direction of mobile app projects.

Flutter Developer, Self-employed

04/2022 – 08/2023 | Dubai, United Arab Emirates

- Designing and building mobile applications using the Flutter framework to create cross-platform apps that run on both iOS and Android platforms.
- Able to custom packages in flutter using native Android and iOS APIs.
- Developed Flutter apps using Bloc pattern ,clean architecture, and map SDK integration.
- Able to create complex custom UI with ease.
- Responsible for writing clear and readable code Dart.
- Optimizing the performance of Flutter applications, including rendering speed, memory usage, and responsiveness.

Android Developer, Sudanese Ministry of Energy and Mining

06/2020 – 05/2022 | Khartoum, Sudan

- Implemented features for various applications in Java, and Kotlin.
- Help to drive our product from Start-Up to Scale-Up.
- Determined architectural and product design.
- Designed and built advanced applications for the Android platform.
- Worked with the MVVM or MVC architectural pattern.
- Translate Figma based designs to mobile interactions with pixel perfections.
- Full understanding of REST APIs, the document request model, and offline storage.

- **Enterprise Payment Processing:** Integrates NearPay terminal for PCI-DSS compliant card transactions with support for contactless and NFC-based payments.
- **Multi-Terminal Architecture:** Synchronizes orders across multiple terminals via WebSocket protocol with role-based access control and automatic reconnection handling.
- **Offline-Capable Operation:** Utilizes an embedded Node.js backend with SQLite for local data persistence and queue-based transaction processing when connectivity is lost.
- **Data Synchronization:** Employs RESTful and WebSocket APIs alongside SignalR integration for bidirectional real-time synchronization with enterprise servers.

Konooz ,

Fashion E-Commerce App (Flutter | iOS & Android)

05/2025 – 01/2026

- **Cross-Platform Development:** Built with Flutter for iOS and Android, delivering a consistent and high-performance shopping experience across devices.
- **Product Discovery:** Enables users to browse clothing, accessories, and exclusive collections from top brands and independent designers, covering both traditional and modern fashion.
- **Advanced Search & Filtering:** Provides enhanced search functionality with filters for price, category, ratings, and more to help users find products quickly.
- **Secure Authentication:** Supports phone number-based sign-in for fast and passwordless access.
- **Optimized Performance:** Reduced app load times and smooth navigation for a seamless shopping experience.
- **Data Security:** All data is encrypted in transit with user data deletion support, ensuring privacy compliance.
- **UI/UX Design:** Features engaging banner designs and a clean, modern interface tailored for fashion retail.

This keeps the same format as your other project entries. Let me know if you'd like anything adjusted!

ForkPos ,

Fork Point of Sale (React Native | iOS & Android)

06/2024 – present

- **Cross-Platform Support:** Built with React Native for iOS and Android, providing a unified user experience.
- **Food Order Management:** Allows users to create, modify, and manage orders, covering the full order lifecycle.
- **Real-Time Synchronization:** Utilizes RESTful APIs for real-time updates, kitchen notifications, and payments.

Android Developer, Primary Key

05/2018 – 10/2021 | Khartoum, Sudan

- Built a scalable and stable application architecture using modern patterns to deliver a first-class mobile product.
- Strong and up-to-date grasp of Kotlin, Java, and the Android SDK.
- Responsible for automated testing, including unit testing, integration testing, and UATs.
- Published an app in the play store with more than 10K Downloads.
- Worked with the MVVM or MVC architectural pattern.
- Proficient in current development tools (Git, etc).

Languages

English — C1 • Arabic

Skills

Programming Languages (Dart (3 years), Swift (1 year), Java (7 years), Kotlin (3 years), JavaScript (2 years)) • **Framework** (Flutter (3 years), React Native (2 years)) • **Mobile Development** (Native Android Development (Java and Kotlin) (5 years)) • **Architecture Patterns** (MVC, MVP, MVVM, Clean Architecture(4 years)) • **State Management** (BLoC, GetX, Riverpod, Stacked, SOLID principles(2 years)) • **CI/CD** (Fastlane (1 year)) • **Authentication** (Firebase Authentication (2 years)) • **Backend Development** (Spring boot (2 years),Node.js, Express (1 year)) • **Databases** (MongoDB (1 year), MySQL (4 years)) • **Development Practices** (Test-Driven Development (TDD) (2 years)) • **Design** (UI/UX Design (2 years),Figma (1 year))

Education

Master of Information Security, University of Science & Technology

2018 – 2020 | Omdurman, Sudan

Bachelor of Information Technology, University of Science & Technology

2013 – 2017 | Omdurman, Sudan

- **Database Integration:** Connects to cloud-based NoSQL databases (e.g., Firebase, MongoDB) for data storage.
- **Responsive UI:** Ensures optimized user experience across devices using React Native's Flexbox layout.
- **Menu Customization:** Users can browse and customize menu items before placing orders.
- **Secure Transactions:** Uses payment gateways like Stripe or Square for secure, PCI-compliant payments.
- **Offline Mode:** Supports local order storage and synchronization when network access is restored.
- **Order Analytics & Reporting:** Provides detailed transaction insights, including sales reports and order history.

Club Lab Golf ,

Pro Shop and Booking Management

09/2023 – present

- To achieve efficient network connectivity in a flutter project, I implemented a stacked pattern with JSON to fetch UI from the server using the Dio package.
- Developed Stacked for data acquisition, processing, and response processing.
- Worked with the team to design and implement network-dependent functionality using stacked patterns and Dio packages.

Golf Kraft , Revolutionizing Golf Training

10/2023 – present

- Implemented a stacked pattern using the Dio package to enhance network connections in React native projects for improved efficiency.
- Developed Stacked to handle data fetching, processing, and response handling.
- Collaborated with the team to design and implement network-dependent features using the Stacked pattern and Dio package.

wow , Flutter App booking salon services

2022

- Code Optimization for Implemented Bloc pattern for state management in Flutter projects.
- Developed reusable and testable blocs, ensuring separation of concerns and maintainable code-base. Collaborated with teams to implement complex features.

Discount , Mobile application for online store

2021

- Provided delivery service for Medial drugs and cosmetics.
- Java Code and MVVM design pattern.

Nefty , App for distributing fuel to the public

2020

- Created full user experience shown in mobile application.
- Developed by Java Code and MVVM design pattern.