Maged Elbasyouny

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FLUTTER DEVELOPER

Highly skilled Senior Flutter Developer with extensive experience in building cross-platform mobile applications for over 5 years across e-commerce, Economics, Real-time Communication, and Transportation sector within Agile protocols. Significantly improved the performance, scalability, and availability of the apps, leveraging state management tools like Provider, Flutter Bloc, Firebase for notifications and Pusher for real-time data. Well-versed in technologies including Flutter, Dart, Java, Python, RESTful APIs, and Firebase.

Clean Architecture • Object Oriented Programming (OOP) • Dependency Injection • SOLID Principles
Functional programming • Design Patterns • Adaptive Design • Security • Web Services

Languages: Dart, Java, Swift, Typescript
Web Services: RESTful APIs, JSON
Web/App Servers: Apache, Tomcat
Frameworks: Flutter, Mockito
Databases: MySQL, Firebase, SQL Lite
Design Patterns: Singleton, Factory, Builder, Adapter, Observer
SDLC: Agile, Scrum, Waterfall
Tools: Azure, Bitbucket, Postman, GitHub Action, Azure CI/CD, Firebase, Android Studio, Visual Studio Code, Xcode
Platforms: Windows, MacOS
Big Data: Hadoop, Spark, Hive, Pig, Sqoop, Flume, Apache HBase, Kafka

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

Nadeer, Riyadh, Saudi Arabia • 05/2022 – 05/2024

Senior Flutter Developer (05/2023 – 04/2024)
Developed and Maintained Cross-Platform Applications
- Developed a responsive e-commerce app using OrientationBuilder, Flutter screen util, and built-in packages, adapting designs for mobile and tablet devices.
- Utilized Provider, Bloc, and clean architecture for efficient state management, improving app scalability and performance across different interfaces.
- Designed the wallet system for In-App Payments, Refunds, and Wallet-to-Wallet Transfers using PayTabs, to enable seamless financial transactions.
- Created a Coupon System using REST APIs and flutter for UI to allow admins to create and manage marketing campaigns, enabling better marketing, and boosting user retention, and transaction frequency.

Flutter Developer (05/2022 – 04/2023)
- Developed a Task Management System inspired by Trello, enabling team task tracking and project management.
- Implemented drag-and-drop functionality using a third-party package called drag-and-drop lists for task boards using Flutter, improving task organization and user interaction.
- Integrated real-time Communication and Collaboration, chat, and in-app notifications using Pusher to enable multiple users to increase user engagement and retention.

Technologies Used: *Dart, Flutter, Google Auth, Microsoft Auth, Apple Auth, Email Authentication, Firebase Push Notifications, REST APIs, Google Maps, Pusher, PayTabs, Drag and Drop Lists, Provider, Bloc, Dartz, Easy localization.*

MPA Media, El Sheikh Zayed, Egypt • 01/2022 – 05/2022
Digital marketing agency.

Sr. Flutter Developer (Mid-Level)
- Enhanced large-scale transportation app with route display, directions, speed, passenger location, and accurate ETA features using Google Maps and Socket.IO.
- Contributed to a bus transportation app with routes, map integration, and state management using Flutter_bloc and Socket.IO, enhancing user experience for drivers and passengers.

- Work on app localization using Flutter localizations to support the Arabic language.
- Developed language detector for the E-commerce platform with the device IP and default device language using Flutter and Dio.
- Developed Customer support with Tawk to support customers and answer their inquiries.
- Designed and built an interactive dashboard providing features for managing players, admins, prizes, redeems, and store products, for a gaming platform using Flutter Web, enabling seamless management and tracking of user activity and game data.

Technologies Used: *Dart, Flutter, Google Auth, Facebook Auth, Apple Auth, Email Authentication, Firebase Push Notifications, REST APIs, Google Maps, Stripe, Firebase Cloud Storage and Firebase Cloud Firestore, Tawk, In App Purchase.*

Digital Veins, Maadi, Egypt ● 03/2020 – 01/2022

Junior Flutter Developer
Built POS, KDS systems and ecommerce platform.
- Developed a Point of Sale and Kitchen Display System with offline and online capabilities using Provider for state management, Socket.io for real-time updates, and PDF/Printing for report generation, resulting in streamlined sales operations across multiple platforms (Windows, MacOS, Linux, Android, iOS).
- Implemented encryption using AES algorithms and an encryption package to secure sensitive data in local storage, enhancing data protection and system reliability for DiviPay-CRM across all platforms.
- Created a high-performance online clothing store using Flutter, Provider for state management, and HTTP for backend integration, resulting in a seamless user experience across Android and iOS platforms.
- Used One Signal to implement push notifications for Marshelle's app, boosting user engagement and retention with timely offers and updates.
- Integrated Sentry into DiviPay-CRM for error tracking and monitoring, improving the stability and performance of the app by quickly resolving issues.

Technologies Used: *Dart, Flutter, Google Auth, Facebook Auth, Apple Auth, Email Authentication, One Signal Push Notifications, REST APIs, Google Maps, Socket IO, encrypt.*

ACADEMIC PROJECTS

Maharishi International University (2024)
- **Daily Diary:** Developed a web app using React and Express, enabling users to create and manage daily posts with a user-friendly interface and efficient backend storage and retrieval. utilized React hooks and Context API for the front-end, and designed API endpoints with middleware for logging and error handling on the backend. Utilized Express, REST API, React, Typescript, Tailwind CSS, Vercel.

- **Online Shop:** Developed a full-stack e-commerce platform with React and TypeScript for a responsive frontend, and Spring Boot with MySQL for backend management of products, authentication, and user roles, implementing secure RESTful APIs and a seamless shopping experience. Utilized Spring Boot, Spring Security, Mysql, Lombok, Jackson, REST API, React, Typescript.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 12/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Software Engineering, Big Data Technologies, Web Application Architecture and Frameworks

Bachelor of Science in Computer Science
Menofia University, Menofia, No State (05/2019)

CERTIFICATIONS

Udemy Certificate - Flutter Advanced - clean Architecture with MVVM (2022)
Udemy Certificate - Clean Architecture in flutter 3 (2022)
Udemy Certificate - Learn Flutter & Dart to Build IOS & Android Apps (2020)