MOHAMMED ALAMROUSI

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About Me

I'm a Flutter developer who's super passionate about building mobile apps. I've got a solid background in programming, and I love using Dart and Flutter to create apps that are not just functional but also fun and easy to use. I'm always looking for ways to learn new stuff, solve problems creatively, and improve my skills. My goal is to build apps that really make a difference while delivering a smooth experience for users. I'm excited to work on challenging projects, explore new technologies, and grow as a developer step by step.

Skills

Programming Languages: Dart, Kotlin
Mobile Development: Flutter, Firebase, Local Database Management, XML
Software Architecture: Clean Architecture, MVVM, MVC, SOLID Principles
State Management: Bloc, Cubit, Provider, Riverpod, GetX
API Development: GraphQL API, REST API
Design & Best Practices: Design Patterns, Clean Code, Object-Oriented Programming
Testing & Debugging: Unit Testing, Widget Testing, Integration Testing, Flutter DevTools
Tools and Platforms: Postman, Figma, Adobe XD
Computer Science Fundamentals: Data Structures, Algorithms, Problem Solving
Additional Skills: Animations in Flutter, Maps and Geolocation, Payment Integration, Debugging and Performance Optimization
Version Control & Tools: Git, GitHub

Projects

UpTodo App | *Flutter, Firebase, Git, GitHub*, Mvvm   **GitHub: UpTodo**

- Developed a task management mobile application using Flutter, with Firebase as the backend for real-time data storage and authentication.
- Implemented features for users to add, edit, delete, and categorize tasks with reminders and due dates.
- Used Firebase Authentication for secure user login and account management.
- Designed and implemented intuitive UI/UX to enhance user experience.
- Utilized Git and GitHub for version control, with each feature managed on its own dedicated branch for better collaboration and tracking.
- Added advanced features like task filtering, and customizable categories to optimize task management.

ShopZen | *Flutter, GraphQL API, REST API, Firebase, Google Maps, Notifications, Local Database*   **GitHub: ShopZen**

- Developed a bilingual (Arabic/English) e-commerce mobile application with a dynamic theme for a personalized shopping experience.
- Integrated both GraphQL API and REST API to ensure efficient data retrieval and real-time updates.
- Implemented Google Maps to allow users to set and retrieve their exact location for seamless delivery.
- Added push notifications to keep users informed about promotions, orders, and important updates.
- Implemented local database management for offline data persistence and enhanced app performance.
- Designed a scalable and responsive UI/UX to ensure smooth navigation and an optimized shopping experience.
- Followed Clean Architecture and Clean Code principles to maintain code quality and scalability.
- Applied SOLID principles to enhance maintainability, reusability, and flexibility in the codebase.
- Utilized Git and GitHub for version control, with structured branches for modular development.

ShopZen Admin Dashboard | *Flutter, Responsive Design, Notifications, Chat System*   **GitHub: ShopZen Dashboard**

- Developed an admin dashboard for managing the ShopZen e-commerce platform, supporting both Arabic and English languages with a dynamic theme.
- Implemented a fully responsive design that adapts seamlessly across web, tablet, and mobile devices.
- Enabled admins to add, view, and manage products and categories efficiently.
- Provided user management functionality, allowing admins to control and oversee platform users.

- Integrated a push notification system for admins to send alerts and updates directly to users.
- Developed an internal chat system for real-time communication between admins and customer service representatives.
- Utilized both Cubit and Bloc state management to ensure efficient and scalable app state handling.
- Applied clean architecture and SOLID principles to maintain scalability and code quality.

Languages

Arabic: Native Language
English: Intermediate