

# ZAIN MHESN

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Flutter Developer | AI Specialist | Information Engineer

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## SUMMARY

Information Engineering graduate specialized in Artificial Intelligence, with over 3 years of professional experience in Flutter mobile development. Designed, built, and deployed 5+ commercial cross-platform applications utilizing Clean Architecture, Firebase, and Bloc. Leveraging strong foundations in AI and machine learning to build and integrate intelligent models into scalable, user-focused mobile solutions. Passionate about bridging the gap between software engineering and AI to deliver impactful digital products.

## SKILLS

### Mobile Development

Flutter, Dart, State Management (Bloc, Provider), Clean Architecture, REST APIs, Firebase (Auth, Firestore, Cloud Messaging), Local Storage (Hive, Sqflite, shared preferences, flutter secure storage), Google Maps API, AdMob

### AI & Data

- Core AI/ML: Machine Learning, Data Analysis, Python, Pandas, NumPy, Scikit-learn
- Generative AI: Retrieval-Augmented Generation (RAG), LLM Integration (LangChain), Vector Databases (ChromaDB, Qdrant), Mistral AI, open ai

### Databases & Tools

Oracle SQL, PL/SQL, Oracle APEX, SQL (general), Git, GitHub, GitLab

### Programming Languages

Dart, Python, C++, Java

### CS Fundamentals

Data Structures & Algorithms, Problem Solving

### Professional Skills

Team Collaboration, Attention to Detail, Resilience & Adaptability

## EDUCATION

- **B.Sc. in Information Engineering – Artificial Intelligence**  
Damascus University | 2019 – 2025

Graduation Project: Intelligent Conversational System for HR Resume Evaluation (RAG-based)

- Developed a Retrieval-Augmented Generation (RAG) system to assist HR in ranking and analyzing résumés using LLMs and Vector Databases (Qdrant).
- Engineered semantic and hybrid retrieval pipelines with exact/fuzzy matching using LangChain to generate evidence-based evaluations.
- Achieved over 90% accuracy in ranking alignment with human experts, demonstrating improved fairness and transparency in hiring.
- **Oracle SQL & APEX Training**  
EastMed Company | Aug 2024 – Sep 2024 (80 hours)  
Gained practical experience in working with Oracle databases and building web-based solutions using Oracle APEX
- **AI & Machine Learning Training Program**  
SHAI for AI Club  
Participated in an intensive training covering foundational and advanced topics in AI and ML, with practical applications and project-based learning.
- **ICPC Damascus University Collegiate Programming Contest**  
Damascus University – 2021  
Awarded an Honorable Mention for strong performance in problem-solving and algorithms, representing Damascus University at the ICPC Collegiate Programming Contest.

## EXPERIENCE

- **Freelance Flutter Developer** | Remote | 2022 – Present  
Successfully managed the end-to-end development for 5+ commercial Flutter projects, taking them from concept to successful launch on both the Google Play Store and Apple App Store.  
Engineered scalable and maintainable applications by consistently applying Clean Architecture principles and Bloc/Provider state management.

## LANGUAGES

- Arabic: Native
- English: Intermediate

## PROJECTS

### (متجر SKY) – E-commerce Mobile App (Freelance)

- A Flutter-based mobile application built to transform a WordPress online store into a modern, user-friendly mobile experience.

- **Tools:** Flutter, Clean Architecture, Bloc, REST API, Firebase (Authentication, Cloud Messaging), Google Sign-In, Local Storage (Hive, flutter\_secure\_storage), shimmer, skeletonizer
- **Features:**
  - User authentication with email and Google sign-in
  - Product browsing with category filters and search
  - Add to cart, detailed product view, and order confirmation
  - View order history and manage user profile
  - Responsive UI with real-time data synchronization from WordPress
- [\(متجر SKY\) on Google play](#)

### Easy Dutch – Dutch Language Learning App (Freelance)

- An educational app designed to help users learn Dutch through daily goals, vocabulary translation, speech pronunciation using TTS, and gamified learning.
- **Tools:** Flutter, Hive, Google Translate API, TTS\_SERVICE, AdMob, Firebase Notifications, Mistral AI
- **Features:** AI-powered chatbot for conversation practice, achievement tracking, daily challenges, word pronunciation, learning statistics, and a star-based reward system.
- [East Dutch on Google Play](#)

### Tekrum – Delivery Application (Freelance)

- A comprehensive delivery app that enables users to browse and search for products, restaurants, and stores, manage orders, and communicate with drivers.
- **Tools:** Flutter, Firebase, Google Maps API, QR Code Scanner, Firebase Cloud Messaging
- **Features:** Vendor & product browsing with search, 'Jable' feature for custom delivery requests, cart and order management, QR code confirmation, multi-address support, product rating, and push notifications.
- [Tekrum on Google Play](#)

### Tekrum Partner – Driver & Vendor App (Freelance)

- A dual-role application developed for delivery drivers and vendors to manage deliveries and products.
- **Tools:** Flutter, Firebase, Google Maps API, QR Code Scanner
- **Features for Drivers:** View and manage delivery requests, accept/reject orders, map navigation, QR confirmation for delivery, profile management.
- **Features for Vendors:** Manage current/scheduled orders, update order statuses (preparing, ready, rejected), add/edit/hide products, update business profile.
- [Tekrum Partner on Google play](#)

### Tafadal – Tourist Taxi Booking App (Freelance)

- A mobile taxi booking app designed specifically for tourists in Saudi Arabia, offering convenient and flexible ride management.
- **Tools:** Flutter, Firebase, Google Maps API, Firebase Cloud Messaging
- **Features for Users:** Browse destinations, book rides, track drivers in real time, manage bookings, view ride history, receive notifications, pay online, in-app real-time chat with drivers using Firebase.
- **Features for Drivers:** Accept/reject ride requests, view trip history, update profile, navigate using in-app maps.

### To-do App with Hive (Personal Project)

- A productivity-focused task management app with local storage and clean architecture.
- **Tools:** Flutter, Hive, Clean Architecture
- **Features:** Task categorization, priorities, completion tracking.
- [to-do App on GitHub](#)

### Social Media App (Academic Project)

- An interest-based social networking app developed as a university project.
- **Role:** Full-Stack Flutter Developer
- **Tools:** Flutter, Firebase (Firestore, Authentication, Cloud Messaging)
- **Features:** User registration, post creation with images, stories, interest tagging, interaction (likes, comments), following system, notifications, real-time chat between users using Firebase.