

# MAHMUD MAZEN TARRAF

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## PROFESSIONAL SUMMARY

**Mobile-First Full-Stack Developer** with strong expertise in **Flutter** and backend development using **Node.js** and **Django**. Experienced in building production-ready mobile applications, RESTful APIs, real-time systems, and Firebase-powered features. Focused on scalable architecture, clean code, and delivering reliable user-centered solutions.

## SKILLS

Flutter, Dart, Firebase, Firestore, Push Notifications, REST APIs, Django, Django REST Framework, Django Channels, Node.js, Express.js, JWT Authentication, WebSockets, PostgreSQL, MongoDB, Responsive UI, Unit Testing, Integration Testing, CI/CD.

## PROFESSIONAL EXPERIENCE

### Full-Stack Developer Intern

Focal X agency

August 2024 - January 2025, Latakia

- Integrated complex application logic in **Flutter** with **Firebase (Authentication, Firestore, Cloud Functions)**, improving app stability by **50%**.
- Optimized client-side data retrieval and caching using **Firebase queries** and **Cloud Functions**, reducing data latency by **40%**.
- Implemented secure user authentication with **Firebase Auth** and **Firebase security rules**, streamlining onboarding and session management.
- Built real-time features and **push notifications** using **Firebase listeners** and **Firebase Cloud Messaging (FCM)** to increase user engagement.

### Full-Stack Developer

Ice Cream Delivery Platform (Graduation Project)

September 2023 - August 2024

- Developed a customer-facing **Flutter** app for browsing and ordering ice cream, supporting **100+ product listings** and **real-time order tracking** for multiple users.
- Designed and implemented a **Django backend** with **RESTful APIs** and secure **JWT/Tokens-based authentication**, powering the mobile and admin clients.
- Added real-time order updates using **Django Channels (WebSockets)** and integrated **push notifications** to ensure timely customer/admin alerts, reducing order errors by **25%**.

## PROJECT

### Tasker (Task Management App)

Personal Project · [github.com/MahmoudTarraf/todo\\_app\\_with\\_notifications](https://github.com/MahmoudTarraf/todo_app_with_notifications)

- Built a Flutter mobile app supporting categorized task management, deadlines, and notifications.
- Developed a Node.js backend for task CRUD, recurring tasks, and an **AI-based image verification workflow** with a strike system.
- Integrated Firebase Cloud Messaging (FCM) for real-time notifications, improving task completion consistency.

### Eduflow — AI-Assisted Educational Platform (Web Project)

[github.com/MahmoudTarraf/eduflow\\_client](https://github.com/MahmoudTarraf/eduflow_client) · April 2025 - February 2026

- Designed and delivered a production-ready website using **AI-assisted development workflows**.
- Defined system requirements, user flows, and UX constraints through structured prompt engineering.
- Iteratively refined AI outputs, validated logic, and customized generated code to meet functional and usability requirements.
- Demonstrated ability to **leverage AI as a productivity tool**, not a replacement for engineering judgment.

## EDUCATION

### Bachelor's Degree in Informatics Engineering

Minor in Flutter development · Latakia University · Latakia, Syria · 2025 · 3.0 / 4.0