

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 **Firestore queries** and **Cloud Functions**, reducing data latency by **40%**.
- Implemented secure user authentication with **Firebase Auth** and **Firestore security rules**, streamlining onboarding and session management.
- Built real-time features and **push notifications** using **Firestore 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/Token-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

- 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 • 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
