Mostafa Mahmoud

Mobile application Developer

✉ Mostafa.Alazhariy@gmail.com   📞 +2 01013688985   📅 Jan, 2000   📍 Egypt, Cairo

▶ YouTube Channel   in LinkedIn   GitHub   StackOverFlow   WhatsApp

Sections:

- Projects
- Technical Skills
- Certificates & Courses
- Soft Skills
- Recommendations

About me

I am always eager to learn and grow my skills to stay up-to-date. With **3+ years** of experience in mobile app development, I create apps that solve real problems for people.

I enjoy sharing ideas and working together to achieve team goals. Recently, I served as a team leader in a mentorship program, managing a team of three. My responsibilities included task distribution, code review, and explaining complex concepts during regular team meetings. This experience enhanced my **leadership** and **communication skills**.

My focus is on delivering real value to users and improving their experience. I believe in giving back to the developer community and sharing what I've learned. In my free time, I create YouTube videos and develop **open-source** tools to assist other developers. My YouTube channel has over **50,000 views** and almost **2,000 subscribers**.

I'm committed to continuous learning and growth, both for myself and those around me.

Work Experience

Flutter Developer
NIQAT | Freelancer

June 2025 - current (> 7 months)

Flutter Developer
Drasat tech | Freelancer & Full-time (Hybred)

June 2023 - July 2025 (> 2 years)

- Developed a color system generation via a Python script, producing grayscales, tints, shades, and typographic palettes for consistent theming.
- Developed a **CLI alias script** for automatic feature scaffolding, **boosting development productivity by over 30%** and accelerating repetitive coding tasks.

Flutter Developer | KSA
Amyal Smart | Full-time

Feb 2024 - March 2024 (2 months)

Developed Amyal Service app, one of the key projects for Amyal Smart, a 100% Saudi investment company specializing in digital solutions, marketing, and loyalty programs.

In this position I was responsible for:

- Establishing the **core project structure** and developing the entire application.
- Agile methodologies, maintaining constant communication with the supervisor and regularly updating tasks on Trello.
- Developed a robust application structure that supports scalability and easy maintenance.

Flutter Developer

[Semicolon](#) | Full-time

• Solely responsible for App development.
• Successfully Maintained, and Developed over 10 projects.
• Proven **problem-solving** abilities to identify and resolve issues.
• Manage and distribute tasks and time under pressure situations.
• Dealing responsibly with **multiple daily tasks** of different projects, organizing, prioritizing, distributing, and following up on them in most cases til delivery to the client.
• **Collaborating closely** with back-end developers, communicating requirements and clarifying data specifications for new projects and issue resolution.

Projects

Keeper - Finance Manager   Dec 2025 - Jan 2026

Personal finance assistant for expense tracking, budget management, financial goals, debt tracking, and smart analytics with voice-first input, and multi-wallet support.

• Architected multi-wallet system with atomic wallet-to-wallet transfers, currency conversion.
• Implemented **in-app subscription** system using RevenueCat with purchase verification and secure storage via flutter_secure_storage.
• Developed device security with jailbreak/root detection and biometric authentication (Face ID/fingerprint) to protect sensitive financial data.
• Developed native home screen widgets for iOS (SwiftUI) and Android (Kotlin) displaying balance and quick-add shortcuts.

[Google Play](#) - [App Store](#)

Aqaryoun   June 2025 - Aug 2025

Real-estate marketing app for brokers and companies enabling property publishing, multi-share links, and in-app WhatsApp marketing.

• Collaborated directly with the CEO to analyze business requirements and propose feature improvements — two suggestions were implemented and enhanced user workflow.
• Designed server-driven dynamic field system rendering property attributes with closely collaboration with backend developer.
• Built custom reusable form components including formatted price input that displays comma-separated values while exposing raw numbers — no external libraries.
• Developed light/dark theme system using context extensions for **one-line color access** — improved code quality and maintainability.

[Google Play](#) - [App Store](#)

Al-Rahma Hospital   Jan 2025

Al-Rahma Hospital mobile app is a multi-module Flutter application designed to elevate patient care and simplify the management of the hospital's corporate clients and their patients. It empowers users to book appointments, review medical records and test results, track vitals, and access telemedicine and emergency services.

• Took **ownership** at project kickoff by **collaborating one-on-one with the manager** to analyze requirements, made key UX **decisions**, and set the deadline; initiated a front-end-first strategy to leverage downtime—**saving costs**, **accelerating timeline**, simplifying backend handovers.
• Managed architecture and workflow, and provided ongoing post-launch support.
• Designed the UI and built a high-fidelity Figma interactive **prototype**, and quickly mastered the tools.
• Parallel Frontend Development: created mock data to simulate backend behavior, and defined expected **API schemas** into a Postman collection during development; then gradually switched each completed module to live backend data with a **one-line code change**, which ensured a smooth handoff and **progressive data integration**.
• Acted as **team lead** by configuring a GitHub integration for immediate backend testing (avoiding deployment delays), performing **QA** on done features, participating in **technical discussions**, and building a **Notion workflow**

to **track task**s, log bugs, and monitor progress, which streamlined communication, reduced meeting time, and accelerated delivery.
- Designed and implemented a highly **customized payment solution** to address the lack of local credit gateways in Djibouti; coordinated closely with the backend developer to architect a flexible payment logic supporting wallet, cash, bank transfer, company insurance (partial/full), and receipt-based local payments; ensured minimal error risk for this critical feature.
- Implemented role-based access control solution, assigning tailored **permissions** to employees to access corporate accounts, billing, and patient data—seamlessly coordinated with backend services.
- Developed presentation logic that filters available doctors, schedules, and services based on working hours, holidays, and visit type, tailored for **low-tech users** to ensure a smooth and intuitive UX.

Google Play

Taxi Proche - Uber clone   Aug 2024 - Nov 2024

Taxi Proche is a ride-hailing app for Djibouti, built on a CodeCanyon Uber clone. After vetting and selecting the optimal codebase, I dove into its complex structure to deliver major edits, refactor and migrate code, fix native issues, resolve bugs, and implement new features with continuous testing to ensure stability and alignment with business needs.

- Evaluated and selected optimal codebase after thorough analysis of available ride-hailing solutions, choosing the most efficient option.
- **Resolved critical Google Maps API overconsumption issue** that caused excessive billing; collaborated directly with Google Cloud support team to address the problem, implemented **API usage optimization**, and established debug mode restrictions to **reduce unnecessary costs** for the client.
- **Secured** Google Maps APIs by separating API responsibilities, implementing protection practices, and establishing better usage monitoring to prevent overconsumption.
- Reduced server load by enhancing driver location updates; transitioned from MQTT to Firebase real-time connection through close backend collaboration.
- Enhanced ride request distribution system by collaborating with a backend developer to implement an automated cron job solution, eliminating manual driver rejection requirements and enabling automatic request forwarding to the next available driver, significantly improving system efficiency.
- Developed advanced trip management features, including estimated pricing, trip cancellation, estimated arrival time calculation based on distance and driver speed, and **VIP trip** functionality with no destination requirement.
- Implemented **deep code refactoring** to eliminate tight coupling, reduce unnecessary server requests, and maintain clean code practices.
- Designed and implemented a custom server-driven localization system and **converted it into a package** later.
- Improved **iOS user experience** by implementing back-swipe navigation and dismissible keyboard functionality.
- Merging codebase updates to the current project codebase using proper **Git practices** while maintaining custom features and client-specific modifications.

Google Play - App Store - Website

Amyal Service - KSA   March 2024

Car washing and parking services app in the Saudi Arabia with reservations and subscriptions implemented from scratch.

- Solely responsible for developing the project from scratch with different functions based on user role (user, employee, supervisor).
- Implementing a real-time update on the status of orders in the employee version, in addition to employee updates in the supervisor version based on FCM.
- Working with Agile, constantly following up on the work closely with the Team Leader, following up and adding tasks on Trello, and closely cooperating with the back-end developer.
- Implementing real-time pricing for products, discounts, and taxes, and dealing with payment cases in the application smoothly.
- Cleanly validate in-app dates and input fields, improving the UX.
- Implement code extensions to facilitate text styles in the application and facilitate the modification or later addition of dark mode.
- Implementing functions to facilitate the user experience such as simultaneously processing license plate data entry in both languages and performing validation as required, leading to successful application functionality and fewer

bugs.

Internet State Manager Package (Open Source) 2023

Flutter **package** designed to manage internet connection outages seamlessly within the app; ensures an uninterrupted UX by implementing a reliable **data-fetching mechanism** that activates once the internet connection is restored. This package allows developers to easily handle network changes and customize user interfaces based on connectivity status with easy code.

Role: Creator and Maintainer

• Actual Internet Connection Check: Accurately detects the presence of an internet connection, beyond just verifying a Wi-Fi connection.
• Automatic Data Fetching: Implements your own function that is **called once the internet connection is restored**. This feature provides an **excellent user experience** as the user does not have to reload/open the application again to fetch data when the internet connection is down.
• Builder Widget: Provides a dedicated builder widget with parameters to display various internet connection statuses, allowing control over the display of specific widgets based on the connection state.
• Customizable Widgets: Displays the package's built-in widget or a custom widget when the internet connection is down, with periodic status updates when the connection is restored.

Furas zain Jan 2024

Classified ADs application (OLX clone).

• Developed the application from scratch in addition to designing the application UI and enhanced the UX.
• Redesigned the app brand identity & logo as an enhancement.
• Implemented a **dynamic localization system** according to the client's request, fetching language data and translations from the server, and this system was **converted to a private package** to be **re-usable** in other projects.
  It was a challenge, especially on the AD publishing page with multi-language, with the feature of automatically translating the rest of uncompleted content by handling with Google Translate services.

El-Garayhi Education 2023

Integrated into Mentor Academy for schools and educational centers. Enables students to participate in lessons, exercises, and timed exams. Provides answer corrections promptly upon completion of the exam. Allows comparison of student performance with peers who completed the same test.

• Complete the test solution, show images, and view the final result with evaluation **even when the Internet connection is** disconnected, and **upload data as soon as the user connects to the Internet**.
• Continuous **client support for 6 months**, dealing with tasks efficiently on Notion, and testing them before deploying with a direct cooperation with back-end developers which led to client appreciation for the work provided and prompt response.
• Unit testing implemented for the exam functionality to ensure code accuracy.

Encrypt It 2021

Personal application that encrypts and decrypts texts by password using unique and strong encryption algorithms.

• Developed a **special** encryption algorithm while still learning Flutter in the beginning.
• Devised a unique encryption approach that enhances security by **generating different, random ciphertext** each time the same text is encrypted, ensuring the utmost protection of the algorithm.
• Implemented a robust **password-based encryption** and decryption system.
• Neumorphism UI design.

Technical Skills

Core
- Flutter & Dart

State Management & Arch
- BloC, Cubit & Provider
- Clean Architecture
- MVC Architecture

Back-end Integration
- REST API, GraphQL, Insomnia & Postman
- Firebase, OneSignal, FCM & APNs
- Http, Dio, graphql & Retrofit

Code Quality
- Clean code
- SOLID Principles
- Unit testing

Additional Skills
- Git, GitHub & GitLab
- Data Structure
- Algorithms & Problem-Solving
- Design Patterns
- **UI & UX** Principles
- Google Maps & tracking
- Mono-repo architecture
- CI/CD & Fastlate
- Sentry & Firebase crashlytics
- **AI agents** (Cursor Pro, Windsurf, Claude code)
- AI Prompt engineering
- Cursor tips & tricks
- IAP, In-app subscriptions & RevenueCat

App Store Deployment
- Google Play console
- App Store & TestFlight
- Huawei Store

Certificates & Courses

- **AI Foundations**
  - YouTube (2026)
  - Documentation (2026)
- **Ultimate Design Patterns**
  - Udemy - M. Youssef (0% - In Progress)
- **Android native basics**
  - YouTube (2023)
- **Kotlin**
  - Udemy (2023)
- **UX Design**
  - Edraak (2023)
- **Flutter Clean Architecture**
  - Udemy - Usama Elgendy (2023)
  - Udemy - Tharwat Samy (In Progress - 50%)
- **UI Design**
  - Udemy (2023)
  - YouTube (2021)

- **CS50**
  - YouTube - A. Gamal (%)
- **Git & GitHub**
  - YouTube - Elzero (2022)
  - YouTube - BigData (2024)
- **Flutter**
  - Udemy - A. Mansour (2022)
  - Udemy - H. Fulaih (2022)
- **Dart**
  - YouTube (2019)
  - Udemy - H. Fulaih (2022)
- **Java & OOP**
  - YouTube - Abdullah Eid (2019)
- **Design Principles**
  - YouTube (2019)
  - YouTube (2020)

Soft Skills

- Analytical thinking
- Quick learning
- Skillful Searching
- Attention to detail
- Communications
- Self teachable
- Ability to share knowledge

- Critical thinking
- Design Principles
- Debugging skills
- Perfectionism
- Notion & Trello
- Time management
- positive attitude

LinkedIn
Recommendations

Saud Selim
Founder & Product Leader at NIQAT
Managed me at NIQAT
LinkedIn - WhatsApp

I had the pleasure of working with Mostafa on several projects, and we are still collaborating together. He is a **highly professional** Flutter Developer who not only delivers excellent technical work but also takes the time to understand the **business needs** and **discuss the best scenarios for implementation**.

Our plan is to continue this collaboration long-term, because it's truly rare to find someone with his level of commitment, professionalism, and **positive attitude** in our field. **I strongly recommend him.**

Sameh Amasha
CEO at Drasat tech & Solutions and business dev. consultant
Managed me at Drasat tech
LinkedIn - WhatsApp

I had the pleasure of working with Eng. Mostafa at my company, where he was responsible for developing mobile applications.

During his time with us, he **single-handedly** developed **+10 apps** with high technical **proficiency** and **professionalism**. Mostafa is extremely committed to deadlines, **hardworking**, and brings a positive spirit to any team.

I strongly recommend him for any mobile development project — he would be a real asset to any team.

Mohamed Elshafiy
Founder & CEO at Semicolon
Managed me at Semicolon
LinkedIn - WhatsApp

Mostafa proved to be a **responsible** and diligent application developer, a quality I consider paramount above all other skills. He is **smart** and adept at **problem-solving**, swiftly employing **logical thinking** skills.

In summary, Mostafa's tenure at Semicolon was marked by his proficiency as a responsible application developer and his acumen in **tackling challenges**. These attributes not only distinguished him but also **enhanced the overall success of our endeavors**.

Alaa Mohamed
Full-Stack PHP Laravel Developer
Worked with me at Semicolon, Amyal Smart & as a Freelancer
LinkedIn - WhatsApp

I had the pleasure of working with Mostafa on several projects, and I can confidently say he is one of the most **talented** and reliable mobile developers I've collaborated with. He was always **cooperative**, **proactive**, and brought a high level of **professionalism** to every task. Mostafa consistently delivered **top-quality work**, often going above and beyond to ensure the success of the project.

His strong **problem-solving** skills and deep understanding of mobile development helped us overcome many technical challenges smoothly. He's not only technically skilled, but also a great **team player** with a **positive attitude** and **sharp thinking**.

I highly recommend Mostafa to any team looking for a dedicated and highly capable mobile developer. He would be an incredible asset to any organization.

Alaa Elattar
Full-Stack PHP Laravel Developer
Worked with me at Drasat Tech
LinkedIn - WhatsApp

I had the pleasure of working with Mostafa Alazhariy on several mobile app projects, and I can confidently say that collaborating with him was an absolute delight. From day one, Mostafa impressed me with his deep **technical expertise**, **innovative thinking**, and unwavering dedication to delivering top-quality work.

I highly recommend Mostafa to any team looking for a talented, reliable, and **forward-thinking** mobile app developer. I have no doubt he will continue to excel and make a significant impact wherever he goes.

For further recommendations, please visit my LinkedIn page.