

# AHMED RAGAB MOKHTAR (Flutter & Dart Expert Developer)

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Portfolio: [a7mdragab1.github.io/my\\_portfolio](https://a7mdragab1.github.io/my_portfolio)

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## PROFESSIONAL SUMMARY

Results-driven Senior Flutter Developer with over 7 years of experience in creating high-performance mobile, web, and desktop applications. Proficient in Flutter, Dart, Python, NodeJS, TypeScript, Firebase, Restful APIs integration, and microservices architecture. Demonstrates strong problem-solving abilities and a proven track record of enhancing app performance and streamlining workflows. Committed to writing clean code and adhering to UI/UX design principles while delivering innovative solutions.

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## PROFESSIONAL EXPERIENCE

### - Senior Flutter Developer - Project Manager

#### Neuss Company (07/2021 – Present)

- End-to-end development of Flutter apps, ensuring successful project completion.
- Improved app performance and user experience by 75%.
- Developed new plugins and modules, streamlining the development process.
- Enhanced backend infrastructure using server-side technology for smooth integration.

### - Flutter Developer

#### EGateWeb Company (01/2019 – 01/2020)

- Adapted more than 3 Flutter applications for the company.

### - Flutter Developer (01/2018 – Present)

- Optimized Flutter and native expertise to build high-performance applications.
- Created widely praised plugins and applications focusing on functionality and design.
- Enhanced testing and analytics proficiency, delivering superior modular products that exceed user expectations.
- Developed plugins and modules that improved workflows, boosting productivity by approximately 80% in performance, speed, and efficiency.

### - Android Developer (Native) (07/2016 – 01/2018)

- Focused on delivering viable, high-performance software solutions to meet client requirements.
- Conducted rigorous testing to ensure software meets top performance standards.

- Optimized application integration for maximum versatility and adaptability across systems.
  - Published public Android apps on Google Play Store, with a diverse portfolio of private apps and libraries.
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## TEACHING EXPERIENCE

### - Teaching Assistant

**Benha University - Faculty of Engineering – Computer Engineering Department (11/2020 – Present)**

### - Lecturer Assistant

**Benha University - Faculty of Engineering – Computer Engineering Department (11/2016 – 11/2020)**

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## EDUCATION

### - PhD's Degree in Electrical Engineering - Computers Department (09/2023 - Present) (In Progress)

**Thesis:** Physics Informed Neural Networks for Human Actions Recognition

**Field:** AI - Machine Learning and Computer Vision

Department of Computer Science and Engineering, Egypt-Japan University of Science and Technology (EJUST), Alexandria, Egypt.

### - Master's Degree in Electrical Engineering - Computers Department (04/2018 – 11/2020)

**Thesis:** Studying and Improvement of Hiero Cipher

**Field:** Cryptography and Data Security

**Publications:** Enhancing Hierocrypt-3 performance by modifying its S-Box and modes of operations, Benha Faculty of Engineering - Benha University - Computer Engineering Department.

### - Bachelor's Degree in Computer and Communication Engineering (09/2011 - 07/2016)

**Graduation Project:** Smart Traffic Control (STC) using image processing with Raspberry-Pi and IoT.

**Grade:** Excellent with honors

Benha Faculty of Engineering - Benha University - Computer Engineering Department.

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## SOFT SKILLS

- Highly Organized, Detail-Oriented
- Critical Thinking & Creativity
- Teamwork Collaboration
- Adaptable and Flexible teamwork
- Strategic Thinking and Planning
- Strong Work Ethic and Dedication
- Ability to collaborate and communicate within a team to solve complex challenges

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## HARD SKILLS

- Flutter Framework Expertise
- Problem Solving & Analytical Thinking
- Continuous Learning
- Debugging & Troubleshooting
- Custom Package Creation
- Version Control (Git, GitHub/GitLab)
- Linux and MAC and web platforms experience
- Modular Programming
- Firebase & Database Management
- Responsive UI & UX Design
- Third-Party Package Integration
- Design Patterns & State Management
- Object-Oriented Programming
- Microservices Architecture
- Mobile & Web Development
- RESTful APIs Integration
- Performance Tuning
- Clean Code Practices
- Docker knowledge
- JSON, CSV, DB Expert
- Flutter DevTools
- Responsive UIs & Adaptive UIs

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## RELEASED WORK

- **Flutter Super Model Builder:** Flutter desktop and web app for building models with many features Improved the development speed significantly more than 150%.
- **Waratel:** Flutter Android/iOS app for Quran teaching with real-time communications, reducing teacher-student communication time by about 70%.
- **Wazaker:** Flutter Android/iOS app for Islamic Azkar and online radios with many features.
- **Nina Ride:** Flutter Android/iOS taxi app for serving cars: TakeMeWithYou Rides.
- **Car Bazaar:** Flutter Android/iOS cars market app.
- **Cannula:** Flutter medical application for serving nurses to people.
- **ByClick:** Flutter city restaurants app with orders management, increasing restaurant partnerships by 40% by adding new features such as online payments and delivery tracking.
- **Hit Running Coach:** Flutter application for managing hit training with sounds and time management.
- **Smart Kids Game:** Flutter mathematical game for teaching (+, -, \*, /) for children, increasing parent engagement by 25% by adding a progress tracking feature.
- **Asafra Souq:** Android native app for displaying city shops.
- **Elshab7 RC Controller:** Android native Bluetooth RC controller with many features.
- **Others:** Many private Flutter desktop and web apps.