

Mohamed Helal

Software Developer

Mohamed.helal.02468@gmail.com

[LinkedIn](#)

[Portfolio](#)

[GitHub](#)

Cairo, Egypt | +201288898944

Mohamed is a computer science graduate from Monash University, Australia, in July 2025. He completed his final-year project on storage optimization with a distinction grade of 70% or higher. Mohamed is seeking a job to launch his career in software development fields.

Work Experience

Software Developer Intern (Nov 2024 - Apr 2025)

Selangor Human Resource Development Centre | Selangor, Malaysia

- Deployed and containerized **Fleetbase** logistics software using Docker and AWS EC2. Integrated Google Maps and Twilio APIs for real-time tracking and notifications.
- Worked on mobile app development with **Android Studio**, linking it to backend services.
- Built AI chatbot systems using **Dify** and implemented Retrieval Augmented Generation.
- Researched and compared automation tools like **Lang Flow** for workflow optimization.

Software Engineer Intern (Nov 2023 - Feb 2024)

DYODD SDN Bhd | Selangor, Malaysia

- Built chatbots and AI agents using LLMs to automate customer interactions.
- Fine-tuned GPT-based models for improved task-specific performance.
- Extended features in Salesforce's sales system, enhancing internal workflows.
- Gained hands-on experience across the software development lifecycle in an agile team.

Core Skills

Software: Android Studio, Flutter, MySQL, Laravel, Docker, Google Cloud, AWS, Figma UI/UX, Salesforce, GitHub, GitLab, Postman

Skills: Java, Python, SQL, PHP, Mobile Development(Native/Hybrid), Fine-Tuning LLM, Training GPT Models for NLP tasks, Groq & OpenAI LLMs

Projects

1. **Android Application (workout exercises with no equipment)**
A group project, where I specified the requirements, designed UI components, and implemented features (tracking progress, rewards, workout difficulties, and milestones).
2. **Fine-Tune OpenAI Large Language Models**
An AI model was used as a website chatbot to handle customer inquiries.

3. **AI Chatbot for Strata Management Act 2013 Rules (Python)**

A set of Malaysian laws regulates the management of buildings, common property, and related matters. Python was integrated with Visual Studio Code through Facebook Messenger.

4. **Sales Force Production System New Features**

Added a new button for cloning any existing record. A follow-up email is to be sent to the customers to check the quality of the service.

5. **Fleet Base Local Hosting and Development**

Configured Fleet Base locally using Docker, a logistics management and e-commerce platform, and added Google Maps API for driver and order tracking. Integrate the local host dashboard into the Android application, The Navigator.

6. **Developed a Security Reporting System**

Utilized App scripts, Google tools (i.e., sheets, forms), and webhooks through Zapier. These were linked to WhatsApp. Additionally, JavaScript and SQL were employed.

7. **Created Automation Using AI Software (Task Magic)**

A Facebook group is automatically created after submitting a Google form, which includes the group name, image, visibility, and membership details.

Education

Monash University Australia – Malaysia (Jul 2025)

- **Bachelor's:** Computer Science

Noor British International School (Jun 2020)

- **High School** IGCSE: A-Levels

Languages

- Arabic, English, German, French