

Karim Merhom Software Developer

✉ karimebrahim328@gmail.com ☎ +20 1205791219 in <https://www.linkedin.com/in/km06/>

🌐 <https://github.com/karimmerhom> 🛡 Military Service: Exempted 🗂 <https://Karim-Merhom-webPortfolio/>

🎓 EDUCATION

Sep 2017 – Jun 2022

Bachelor of Engineering (Computer Science Engineering)
The German University in Cairo
Graduation Project Grade: A-

🔧 TECHNICAL SKILLS

Programming Languages

- Java
- JavaScript
- C
- C++
- Python

Web Development

- React
- React Native
- Flutter
- Node.js
- HTML/CSS

Database Technologies

- MongoDB
- PostgreSQL
- Firebase
- Kafka
- Redis

Frameworks and Libraries

- Express
- Flask
- Django
- Spring Boot

Testing and Deployment

- Junit
- Jenkins
- Docker
- Kubernetes

Other Tools and Technologies

- AWS
- Heroku
- RESTful APIs
- GitLab CI/CD

👜 PROFESSIONAL EXPERIENCE

May 2023 – present

Full stack Developer Cypod Solutions

- Develop and maintain full-stack web and mobile applications, encompassing both front-end and back-end development.
- Collaborate with cross-functional teams, including designers, product managers, and other developers, to gather requirements and translate them into technical specifications.
- Design and implement responsive and intuitive user interfaces using HTML, CSS, and JavaScript frameworks such as React.js.
- Develop and integrate server-side logic using server-side frameworks like Node.js, and Flask.
- Create and optimize database schemas, queries, and APIs to ensure efficient data storage and retrieval.
- Implement RESTful APIs for seamless communication between the front-end and back-end components of the application.

Jul 2022 – May 2023

Software Engineer EXALT Technologies Ltd. (Nokia)

- Contributed to development of the Kafka and SFTP producers and consumers streams for charging gateway records.
- Worked on developing mapping rules and techniques in Nokia's charging gate way module to be applied to the consumed and produced records.
- Collaborated with DevOps team to deploy applications utilizing containerization technologies such as Docker and orchestration tools like Kubernetes.
- Documented technical specifications and created user guides to assist the development team and facilitate future maintenance and enhancements.

Jan 2019 – Jan 2022

Teaching Assistant St. Fatima International Schools (IGCSE)

- Assisted teachers with document coordination & preparation to maintain a positive learning environment.
- Worked with the teacher to construct learning plans for the coursework.

Mar 2018 – Jan 2022

Mathematics Tutor
Self-Employed

- Established an answered mark scheme with steps to aid in solving (AS-Level).
- Conducted group tutoring sessions to facilitate difficult concepts for students.
- Collaborated with students to complete homework assignments, identify lagging skills, and correct weaknesses.

Jul 2020 – Sep 2020

Full Stack Developer Intern
Lirten Solutions

- Developed, coded, modified, and debugged application programs of varying degrees of complexity with full independence.
- Helped code and test full-stack MERN & PERN Stack-based web application software.
- Collected, defined, and translated user requirements into project designs and implementation plans.
- Developed landing pages, dashboards, and online applications.

Aug 2018 – Jan 2020

Startup Founder (Online Bookshop)

- Delivered products needed to customer locations within specific timeframes.
- Produced custom notes, past papers, and mark schemes for teachers.
- Responsible for social media marketing.

 **PERSONAL PROJECTS**

Dec 2022 – present

E-Commerce Application

- Using MERN stack created a dashboard for local sellers and importers to add and manage their products to sell on the platform.
- Using React Native created a mobile application for customers to browser and buy products offered by local sellers and importers.

May 2022 – May 2022

COVID Tracking Website

- Using Auth0 & MERN stack, allowing users to login or create account and input relevant information & tracking COVID cases across the globe.

Jan 2022 – Mar 2022

Hotels Booking Application

- Using Flutter & Firebase to enable users/guests to book activities, make a restaurant reservation, and request room service, or housekeeping.
- Building an admin system website using React & Firebase for Lobby application management.

Jan 2022 – Mar 2022

Coffee Shop Ordering Application

- Using Flutter & Firebase to order coffee at a coffee shop without human contact.