

Sarah Mohamed

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EXPERIENCE

Freelance Full Stack Developer

Medtik (medtik.net)

Aug 2025 – Oct 2025

Remote

- Developed a healthcare management platform using **Angular**, **Node.js**, **Express.js**, and **PostgreSQL**.
- Built and integrated RESTful APIs for seamless communication between front-end and back-end services.
- Focused on delivering scalable, secure, and user-friendly interfaces to enhance system efficiency.

Software Developer

Enosh Science Center

Aug 2024 – April 2025

Cairo, Egypt

- Developing internal web applications to streamline operations and enhance user experience.
- Focused on improving functionality, usability, and performance in web development projects.

NBE Intern

National Bank of Egypt

Aug 2023 – Sep 2023

Cairo, Egypt

- Participated in banking software security analysis and architectural discussions.
- Contributed to improving authentication systems and identifying cybersecurity vulnerabilities.

EDUCATION

German University in Cairo

Bachelor of Science in Computer Engineering

Cairo, Egypt

Oct 2020 – July 2025

BACHELOR'S PROJECT

GUI for Hybrid Photonics Integration System

- Supervised by: Dr. Haitham Omran
- Developed a user-friendly Graphical User Interface (GUI) to control Hybrid Photonics Integration (HPI) systems.
- Enhanced real-time monitoring and control of subsystems, including Machine Vision, Beam Profiling, Positioning, Laser Control, and Temperature Control.
- Implemented hardware integration using Python and designed the GUI with Java, improving usability and responsiveness.

SKILLS

Frontend: Angular, React.js, TypeScript, JavaScript, HTML5, CSS3

Backend: Java, Spring Boot, Node.js, Express.js, Python, C

Tools & Platforms: Git, Docker, Agile (Scrum), Unity

Databases: PostgreSQL, MongoDB, SQL

UI/UX: Figma

PROJECTS

Scalable E-commerce System

Java, Spring Boot, Docker, PostgreSQL, MongoDB

Developed a high-performance backend for a large-scale e-commerce platform with a focus on scalability and maintainability.

Healthcare System

MERN Stack, Agile

Developed an online Pharmacy platform integrating with Virtual Clinic using Agile methodology and GitHub for team collaboration.

Sports Match Database

SQL, C#

Implemented a database system for tracking match data and fan attendance.

Game Development

C, Unity

Created multiple games, including an endless runner and a Diablo-inspired game, focusing on mechanics, UI, and team-based development.

CERTIFICATIONS

Meta Front-End Developer Professional Certificate Program

Coursera — August 2023

Software Development - React Web Developer

Digital Egypt Pioneers Program — October 2024