# Mohammed Shousha

## Software Engineer

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in mohammed-m-shousha    Mohammed-Shousha    Portfolio

## Skills

### Programming Languages

- JavaScript
- TypeScript
- Python
- Dart

### Frameworks

- React
- React Native
- Express.js
- FastAPI
- Flutter

### Query Languages and Databases

- SQL
- GraphQL
- PostgreSQL
- MongoDB

### Other

- HTML5
- CSS3
- Node.js
- Git

## Experience

### Software Engineer Intern

**alx africa**      **02/2023 - Present**

- Acquired valuable technical and teamwork skills applicable to future software engineering roles.
- Engaged in peer learning sessions, received support from technical mentors, and actively contributed to community forums.

### Web Development Intern

**The Sparks Foundation**      **02/2023 - 03/2023**

- Developed a basic banking system for facilitating customer money transfers and providing comprehensive transaction history.
- Incorporated a variety of modern technologies such as React, Typescript, Node.js, Express, and MongoDB.
- Designed and implemented a responsive user interface to enhance usability.

### IoT Intern

**Information Technology Institute (ITI)**      **07/2022 - 09/2022**

- Designed and developed innovative IoT applications leveraging the Master of Things platform.
- Studied IoT application protocols to enhance understanding of IoT application development.
- Applied Sens'it and other IoT devices in real-world scenarios, acquiring practical experience.

# Education

**Mechatronics Engineering**
**Mansoura University**                                                                                    **09/2018 - 06/2023**
GPA: 3.97

# Projects

**Online Store**                                                                        **Frontend** ⤢   **Backend** ⤢
- Created a full-stack online store website for a seamless shopping experience.
- Implemented MERN stack (MongoDB, Express, React, and Node.js) for robust development.
- Crafted a user-friendly, responsive interface with Arabic language support.

**Recipes App**                                                                         **Frontend** ⤢   **Backend** ⤢
- Developed a user-friendly recipes app, providing a wide range of delicious recipes for user selection.
- Created the app utilizing React Native (expo), Express, GraphQL, and PostgreSQL.
- Implemented features to add custom recipes with images and enabled advanced recipe search by ingredients, diet, calories, and time.

**SAP (Smart Automated Pharmacy) [Graduation Project]**                                 **Project Repo** ⤢
- Developed a user-friendly Flutter application that enables patients, doctors, and administrators to interact with the system effortlessly.
- Created an Apollo GraphQL server to power the SAP Mobile App, providing functionalities such as user management, medicine management, prescription management, and secure payment processing.
- Built a tablet application using Flutter that allows users to seamlessly interact with a machine controlled by a Raspberry Pi, enabling them to receive prescriptions and order over-the-counter medicines.
- Implemented a FastAPI server to control the Smart Automated Pharmacy, offering a RESTful API for managing medicines, and prescriptions, and performing various SAP-related actions.

**Smart Shopping Cart**                                                                 **Project Repo** ⤢
- Developed a full-stack website as a user interface for a smart shopping cart utilizing computer vision.
- Created the project using React, FastAPI, and Docker for efficient implementation.
- Designed a simple and user-friendly UI with real-time updates through a WebSocket connection.

**Portfolio**                                                                           **Project Repo** ⤢
- Incorporated responsive design, dark mode, smooth scrolling, and animated navigation.
- Developed using Next.js, TypeScript, Tailwind CSS, and Framer Motion for optimal performance.

**Basic Banking System**                                                                **Project Repo** ⤢
- Designed and developed a full-stack basic banking website as a hands-on project at The Sparks Foundation.
- Utilized React, TypeScript, Express, Node.js, and MongoDB for the creation of the project.
- Implemented functionality for transferring money between customers and viewing transaction history.