

# Mohamed Helmy Osman

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## Objective

Seeking a position of Full Stack Developer in a challenging organization that welcomes innovative ideas and offers growth opportunities and positive environment for accomplishing projects as well as enhancing my knowledge about new technologies and emerging trends in the IT sector.

## Experience

- **Junior Full Stack Developer (NodeJs/React)** 1/7/2019 till now  
Bond'n Beyond Inc.
  - Design and develop efficient and maintainable software according to the business objectives and needs of the company's various clients based on the following technologies (NodeJs, React, React Native)
  - Design and develop effective web-based app solution and a mobile application to meet the requirements based on microservices architecture.
  - Integrate app-based solutions with databases and cloud-based systems.
  - Work closely in the planning, design, and delivery of software products and services.
  - Study and evaluate different types of software architectures like MCV, Monolithic, three tiers and microservices.
- **Trainee at ITI** 10/2018 - 7/2019  
Information Technology Institute
  - Study different programming languages including JavaScript, Java, Python and PHP.
  - Study modern technologies related to web applications including NodeJs, React, Angular, Laravel and Django.
  - Study Data Structures and Design Patterns.

### Projects:

- **Sensor Wallet: using NodeJs, React Native, MySQL**  
Design and develop an effective web-based application and a mobile application so that the users can answer surveys and get points and rewards from the survey supplier.
- **Tic-tac-toe Game: using Java and Socket.io**  
Design and implement a game to enable users to play online with each others or play with the computer and each round can be paused and resumed again.
- **Captive Portal Project: using NodeJs and React**  
Design and implement a program responsible for showing up a captive portable page when the user try to access a free wifi ,collect data about users and use Google Analytics to show useful data for decision making and business needs.
- **Minions Game: using JavaScript native**  
Design and implement a game consisting of 3 levels of difficulty to enable users to choose between different minions characters and play each level to get a score.
- **Book Store: using PHP native**  
Design and implement a system for a book store to borrow books using your account limitations.

- **Cafe System: using Laravel framework**  
Design and implement a system to make an order from a cafe using your account.
- **Good-Readers: using NodeJs, React, MongoDB**  
Design and implement a system to enable readers to evaluate each others according to different categories of books.

- **Executive Engineer** 3/2016 - 9/2018

El-Waled Company for Constructions.

- Manage different parts of construction projects and guide crew members
- Supervise crew members, prepare estimates for time and material costs.
- Negotiate with vendors and suppliers to secure the best deals.

## Education History

- ✓ **9-Month Program from Information Technology Institute (ITI), Ministry of Communications And Information Technology**
  - Open-Source Track
  - Graduated in 30/6/2019
- ✓ **Cairo University, Faculty of Engineering, Bachelor's degree**
  - Bachelor's degree in Aerospace Engineering
  - Graduated in 1/8/2014
  - Graduation project: Quad Rotor
  - Project degree: Excellent

## Skills

- ✓ **Technical skills**
  - **Programming Languages**  
JavaScript, TypeScript, Python, C++, PHP, Java, HTML5/CSS3/SASS
  - **Software Development**  
Microservices Architecture, MVC Architecture, RESTful APIs, OOP, Data structures, Design Patterns, GraphQL
  - **Technologies & Frameworks**  
NodeJS, Angular +7, React, Express, Django
  - **Databases**  
MySQL, MongoDB
  - **Version Control**  
Git
  - **Familiar with**  
UI/UX knowledge  
Linux operating system, Bash Scripting, AWS, Docker
- ✓ **Language skills**
  - Arabic language: Native Proficiency
  - English language: Professional Working Proficiency
  - German language: Elementary Proficiency

## Student activities

Managed the HR team that consists of three members in the UDC (Unmanned Aerial Systems Development Centre) activity.

- Frame a clear and easily implementable HR Policies.
- Manage the performance management cycle.
- Organize technical interviews.