

# Toka Mohsen Mohammed Hefny

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Portfolio: [Toka Mohsen | Portfolio](#)

## PROFESSIONAL SUMMARY

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A recently graduated software engineer with a background in Full Stack Development (React, Java), currently specializing in Cloud Infrastructure and Automation. Proficient in AWS Cloud Architecture, Red Hat Linux (RHCSA), and container orchestration with OpenShift/Kubernetes. Skilled in streamlining the SDLC through CI/CD (Jenkins), Infrastructure as Code (Terraform), and Ansible automation. Committed to building secure, scalable, and reliable cloud-native applications.

## EDUCATION

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### HELWAN UNIVERSITY

September 2019 - August 2024

Bachelor of Computer Engineering

- Grade: Excellent
- Top third accumulative for five years
- Ranked top student in the Computer Engineering department (June 2023)

### HELIOPOLIS INTERNATIONAL SCHOOL (CAIRO, EGYPT)

2016 - 2019

- AMERICAN DIPLOMA

## COURSES & Internships

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### NATIONAL TELECOMMUNICATION INSTITUTE (CAIRO, EGYPT)

January 2025 - May 2025

- Cloud DevOps Accelerator course (Hire Ready) -
- Topics: Intensive technical program covering Red Hat Linux (RHCSA), AWS Cloud Architecture, OpenShift/Kubernetes containerization, and automation with Ansible, Terraform, and Jenkins CI/CD pipelines.

### CODSOFT COMPANY (CAIRO, EGYPT)

December 2024 - January 2025

- Web development internship -
- Topics: Focused on building scalable UIs with React.js, adopting industry-standard development workflows, and solving complex problems in a collaborative team environment.

### DIGITAL EGYPT PIONEERS INITIATIVE (CAIRO, EGYPT)

June 2024 - December 2024

- Full stack development track -
- held by the ministry of communications and information technology (DEPI)
- Topics: HTML, CSS, JavaScript, React.js, APIs and Data Handling, State Management, Version Control, Nodejs, Express js, and SQL database

### EGYPTIAN BANKING INSTITUTE (CAIRO, EGYPT)

July 2024 - August 2024

- Java Spring Advanced course-
- Topics: java fundamentals, Object-Oriented Programming (OOP), Java Collections, Concurrency, I/O Streams, Error Handling, Dependency Injection (DI) and Inversion of Control (IoC), Bean lifecycle and scopes
- Basic Banking Principles course -

### WEB DEVELOPMENT BOOTCAMP (UDEMY BY COLT STEELE)

June 2025

- Web development bootcamp course -

- **Topics:** Completed an intensive full-stack development program covering **HTML5, CSS3, JavaScript (ES6+), React.js, and Node.js**, with a focus on building scalable MERN stack applications and implementing RESTful APIs.

## PROJECTS

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### Aquaculture water monitoring system (Graduation Project) - [GitHub link](#) October 2024

- **Description:** A system to monitor and manage fish tanks using real-time data.
- **Grade:** Excellent
- **Key Features:**
  - Tracks pH, temperature, and turbidity for tanks.
  - Automatic water treatments (pump, drain, feeder, heater).
  - Classifies fish species appropriate for the tested water
- This system uses the following technologies (embedded systems, web development, AI)

### E-Shop Website - [GitHub Link](#) September 2024

- **Description:** Developed a shopping platform featuring cart management and product display.
- **Key Features:**
  - Add-to-cart functionality.
  - Dynamic updates to cart quantities and totals.
  - User-friendly UI for browsing and managing products.

### Admin Dashboard - [Github Link](#) October 2024

- **Description:** Designed and built an admin dashboard using **Express.js** for managing product data.
- **Key Features:**
  - Search functionality to filter products.
  - A "Create Product" button leading to a form for adding new products.
  - Display of product details in a table format.
  - Backend powered by **Express.js** to handle data management and routing.

### Recipe Search App - [Github Link](#) September 2024

- **Description:** Developed a web app for fetching and displaying recipes from an API.
- **Key Features:**
  - Dynamic generation of HTML to display recipe items.
  - Search bar for filtering recipes by keyword.
  - Clean, responsive design for a better user experience.

### Movie Website - [Github Link](#) August 2024

- **Description:** Built a platform using JavaScript and the TMDb API to fetch and display movie data, including posters, titles, release dates, and popularity.
- **Key Features:**
  - Smooth hover effects to display backdrop images and movie details.
  - Search functionality for filtering movies.
  - Dynamic rendering of content.

## SKILLS

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- **Cloud & Infrastructure:** AWS (EC2, S3, VPC, IAM, Lambda), Red Hat Enterprise Linux (RHCSA), Cloud

Economics, Networking Fundamentals (CCNAv7).

- **Containerization & Orchestration:** Red Hat OpenShift, Kubernetes, Podman, Docker, Helm, Source-to-Image (S2I).
- **Automation & CI/CD:** Ansible (Automation Platform & Playbooks), Terraform, Jenkins, AWS CodePipeline, Git/GitHub.
- **Languages & Backend:** Java, Spring Boot, JavaScript (ES6+), Node.js, Express.js.
- **Frontend & APIs:** React.js, HTML5, CSS3 (Responsive Design), REST APIs, JSON.
- **Security & Monitoring:** AWS Security Foundations, KMS, Amazon CloudWatch, AWS CloudTrail.
- **Soft Skills:** Collaborative Teamwork, Analytical Problem-Solving, Adaptability, Clear Technical Communication, Growth Mindset

## LANGUAGES

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Arabic- Native

English - Professional (C1 Advanced) with IELTS certificate of band 8