

# Ashraf Eldawody

me@ashraf-eldawody.com ❖ 01000-588-965 ❖ Egypt ❖ [ashraf-eldawody.com](https://ashraf-eldawody.com)

## WORK EXPERIENCE

### Fixed Solutions

July. 2022 – Present

*Full-Stack Developer*

*Remote*

- Fixed Solutions specializes in cybersecurity, software development, and IT consulting, delivering secure and innovative digital solutions across various industries. ([fixed.global](https://fixed.global)).
- Develop and Maintain High-Performance Applications:** Utilize modern frameworks and technologies like React, Node.js, and MongoDB to create and sustain robust web applications.
  - Successfully delivered projects for major clients, ensuring optimal performance and reliability.
  - Applications have consistently received high user satisfaction ratings.
- Integrate Complex Systems:** Implement system integrations using RabbitMQ, Elasticsearch, and various APIs to enable seamless communication and data flow between services.
  - Responsible for the integration between EEHC and 9 Electricity companies in Egypt, significantly improving operational efficiency.
  - Key integrations have supported critical business operations and reduced data processing times.
- Handle Client L3 Tickets:** Address and resolve critical client issues, ensuring high availability and reliability of applications.
  - Reduced downtime and enhanced user satisfaction through prompt issue resolution.
  - Developed solutions that have minimized system vulnerabilities.
- Improve Development and Deployment:** Create scripts to streamline development and deployment processes, making them more efficient and faster.
  - Implemented scripts that have reduced deployment times and increased development efficiency.
  - Enhanced automation in development workflows, resulting in more consistent and reliable deployments.

## PROJECTS

- EEHC (Egyptian Electricity Holding Company):** A digital service platform providing 25+ government services on behalf of the Ministry of Electricity and Energy in Egypt.
  - Developed and maintained a robust web application using React and Node.js.
  - Integrated complex systems with RabbitMQ for message brokering and Elasticsearch for logging, search and analytics.
  - Handled client L3 tickets, resolving critical issues to ensure high availability and reliability.
  - Created and implemented scripts to automate development and deployment processes, reducing manual effort and increasing efficiency.
  - Deployed new features and updates regularly, ensuring smooth rollouts and solving any issues that might occur during deployment.

- **Integr8:** ESB system used by the [Egyptian Electricity Holding Company](#) and [Digital Egypt](#).
  - Developed ESB system features using Node.js, MongoDB, Elasticsearch and Kong API.
  - Applied microservices architecture principles to improve scalability and maintainability.
  - This project aims to make the integration between different entities much easier and faster

## EDUCATION

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**6<sup>th</sup> of October University**

**2016 - 2020**

Computer Science Degree

*6<sup>th</sup> of October, Egypt*

- I graduated in 2020 with a GPA of 3.1. My graduation project was an online exam system, which was used during the COVID-19 pandemic.

**Information Technology Institute (ITI)**

**2021 - 2022**

Open-Source Track

*Mansoura, Egypt*

- Completed a 9-month internship in ITI Egypt's Open-Source Applications Development track, focusing on open-source technologies, collaborative development, and community engagement.

## SKILLS

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- **Programming Languages:** JavaScript, Typescript, PHP
- **Backend:** Express, NestJS, Loopback, MongoDB, SQL, Elasticsearch, RabbitMQ
- **Frontend:** React, NextJS, Ant Design
- **Testing:** Jest, Mocha, Chai
- **Other:** Gitlab CI, Automation, Docker, Docker Compose, Git, Agile, AWS

## Projects:

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- [Online Exam System](#)
  - Developed an online examination system using PHP, used at my university during the COVID-19 outbreak. Which enables Instructors to make exams for students
  - Technologies: PHP, MySQL, HTML, CSS, JavaScript
- **Cafe Management System**
  - A comprehensive solution for managing PlayStation Cafes with three personas: Admin, Manager, and Employee.
  - The project has been running for 3 years till now
  - Technologies: React, MongoDB, NodeJS
- [GYM Management System](#)
  - Developed a gym management system using PHP Laravel. The system supports roles like Admin, City Manager, and Gym Manager, with CRUD operations managed by data tables. Key features include user registration, training session management, and integrated Stripe payment for purchasing packages.
  - Technologies: PHP, Laravel, MySQL, JavaScript