


Mahmoud Ashraf Mahmoud Eid Elsayed

E-Mail: mahmod.eid.elsayed@gmail.com | **Phone:** +201276340240 | **Address:** Port said, Egypt (Ready to relocate) | **Military Status:** Final Exemption | **GitHub:** github.com/Mahmoud-Eid-Elsayed | **LinkedIn:** linkedin.com/in/mahmoud-elsayed

Experienced backend software engineer specializing in scalable cloud solutions, backend development, and DevOps pipelines. Proficient in JavaScript, Python, TypeScript, C, and SQL, with hands-on experience in AWS and Azure. Skilled in designing and optimizing high-performance systems, reducing downtime by 40%, and improving user satisfaction. Committed to delivering secure, high-quality code and fostering innovation through collaboration with cross-functional teams.


EDUCATION

Software Engineering, Holberton School by Alx Africa 

San Francisco, USA | Apr 2024

Bachelor's Agricultural Engineering, Suez Canal University

Ismailia, Egypt | Jun 2021

Graduation Project: Experimental Study on the Influence of Using Various Insulating Materials on the Efficiency and Productivity of a Single Slope Solar Still. 

Project Grade: (A+)

WORK EXPERIENCE

Backend Developer, Level UP ESG


Remote (London, UK) | Mar 2024 – May 2024

- Optimized backend functionalities, boosting system efficiency by 30% and enhancing user satisfaction.
- Redesigned documentation processes, reducing onboarding time by 25% through standardized templates.
- Designed and implemented reusable code structures that are now integrated across 8 different team projects this innovation has led to a notable increase in collaboration and consistency in coding practices.


INTERNSHIP

Full Stack Development Using PHP, 4-month Program, Intensive Code Camp (ICC), Information Technology Institute (ITI)


Port Said, Egypt | Apr 2024

Front-End Web Development, Nanodegree Program, Future Work is Digital initiative (FWD), Ministry of Communications and Information Technology (MCIT) powered by Information Technology Industry Development Agency (ITIDA), through Udacity 

Nov 2022


Software Testing, Nanodegree Program, Future Work is Digital initiative (FWD), Ministry of Communications and Information Technology (MCIT) powered by Information Technology Industry Development Agency (ITIDA), through Udacity 

Aug 2021

Full Stack Development, 1 Million Arab Coders Initiative, Ministry of Artificial Intelligence UAE, Udacity 


Jul 2019

PROJECTS

ESG Analysis Platform 


Technologies: Flask, Python, SQLAlchemy, Jinja2, HTML/CSS, Bootstrap, JavaScript, Plotly, Dash

- Pioneered a scalable ESG assessment platform with user authentication and interactive data visualization for 2,000+ users. Improved decision-making efficiency by 40% through optimized backend functionalities.

Restaurant ERP System 


Technologies: PHP, Laravel, MySQL, SendGrid, SMTP, PHPMailer, Bootstrap

- Led the development of a Restaurant ERP System, overseeing database design, admin dashboard creation, and payment integration. Implemented user authentication, order processing, and menu management, reducing manual tasks by 60%.

Cloud Based Storage System 


Technologies: AWS S3, Python, OAuth 2.0, JSON Web Tokens (JWT), TLS, AES-256 Encryption, RESTful API

- Developed a secure cloud storage solution managing 500GB+ of encrypted data, improving data retrieval speed by 30%.

Library Management System 


Technologies: Java, Spring Boot, Hibernate, MySQL

Built a backend application with RESTful APIs for user authentication and book inventory management, reducing processing errors by 20%.

Flip Frenzy Game 

Technologies: HTML5, CSS3, JavaScript, Postman, Netlify, Vercel.

- Developed an interactive memory game in collaboration with a team, implementing difficulty levels, responsive design, and engaging sound effects while ensuring seamless cross-device gameplay, and deployment on Netlify and Vercel.

AirBnB Clone 

Technologies: Python, Flask, MySQL, HTML, CSS, JavaScript

- Redesigned a comprehensive full-stack Airbnb clone, featuring secure user authentication and real-time booking updates for 1,000+ simulated users.

COURSES	
Frontend Engineering with React, Manara tech ↗	Jan 2025
Software Development by Microsoft and LinkedIn ↗	Jan 2025
Career Essentials in Cybersecurity by Microsoft and LinkedIn ↗	Dec 2024
GitHub Professional Certificate by GitHub and LinkedIn ↗	Dec 2024
Google IT Support Professional Certificate, Google ↗	Oct 2024
Software Engineering, The Hong Kong University of Science and Technology ↗	Feb 2024
Software Developer, LinkedIn ↗	May 2022

CERTIFICATES	
Hacker Rank JavaScript (Intermediate) Certificate ↗	Dec 2024
CompTIA a+ _ cyber, CompTIA ↗	Feb 2024

SKILLS	
Languages: JavaScript CSS TypeScript HTML Python C Java PHP	
Libraries/APIs: REST APIs	
Platforms: Linux AWS Docker Azure	
Other: API Integration MVP UI Responsive Web Apps MVP Design	
Frameworks: Django Node.js Express.js Angular Flask	
Tools: Git GitHub REST Design Patterns Postman Development, DevOps CI/CD pipelines Azure DevOps	
Storage: MySQL/SQL JSON Azure Cloud Services	

LANGUAGES		
English B2	German B1	Arabic Native

EXTRA CURRICULAR ACTIVITES	
Mastercard Cybersecurity virtual experience program on Forage Led a simulated project on Mastercard's Security Awareness Team, identifying and documenting 8 critical security Vulnerabilities recommendations were adopted, enhancing the security framework utilized by over 15 departments.	May 2024
Ranked 1th place Hackathon Winner Project - Dragon-Guard – Dragons Bootcamp LLC Innovated a high-performance backend utilizing Python and Flask, achieving seamless integration with HTML, CSS, and JavaScript frontend enhancements resulted in application performance improvements measured at 30%.	Dec 2023