Yousef **Bakier**

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SKILLS

BACK-END DEVELOPMENT| Python • C# • Flask • .Net • ORM • RESTful APIs
FUNDAMENTALS | Data Structures • OOP • C/C++
MISCELLANEOUS| Git/GitHub • Linux • MySQL • Problem Solving • Nginx
FRONT-END DEVELOPMENT| ReactJS • JavaScript • HTML • CSS
SOFT SKILLS| Team player • Bias for action • Adaptability

EXPERIENCE

iNNOTECH | C#, .Net, Blazor

.NET Developer Intern | Jul 2024 – Oct 2024, Tanta-Egypt

Student Affairs System | Aug 2024 ⬈
- .NET | Blazor | Entity Framework Core | SQL | Localization.
- Implement Repository and Unit of Work patterns for clean, maintainable data access.
- Applied Domain-Driven Design principles by creating separate class libraries.
- Managed culture settings using cookies for dynamic language switching.
- Enhanced validation consistency with Fluent Validation.
- Developed an email service that retrieves Admins' emails from configuration and Instructor email to send automated survey reports.

McKinsey | Soft Skills, Problem-Solving

Forward Program | Jun 2023 – Nov 2023, Remote

Group Research ⬈
- How can we reduce the average daily commute time in London from the current 60 minutes to 28 minutes during rush hours within 5-7 years.
- Use Problem Statement Worksheet, Issue Tree, Prioritization Matrix and Recommendation.

alx | Fundamentals, Backend, Database

Software Engineering Intern | Feb 2023 – Apr 2024, Remote

Simple Shell in C | May 2023 ⬈
- Developed a command-line shell in C.
- featuring command execution and basic input/output redirection.
- Collaborated with a peer to design and implement core functionality.
- Demonstrated problem-solving and familiarity with system calls.
- Implement Memory Management and Data Structure in proficient.

E-Learning Web Application| Jan 2024 ⬈
- Flask (python) for backend and React for frontend.
- Design a DB Model and User Story for Project.
- Completed Restful APIs with Flask.
- Develop a small console in Python to create, delete and update objects.
- Implementation ORM using Python's SQLAlchemy (MySQL).
- Implemented Authentication with JWT and Authorization to endpoints.
- Integration of web design with REACT and API away from backend.
- Implement Validation in Backend (marshmallow).
- Implemented unit testing to ensure code reliability.
- Manually Deployed in web server (nginx) using Gunicorn.

EDUCATION

Menoufia University
B.S., Computer Engineering
2022 - 2027 | Egypt
GPA: 3.76/4

Team Project
create a simple website with basics: Node JS, EJS, JavaScript

CERTIFICATES

Foundational C# with Microsoft ⬈
freeCodeCamp | Aug 2024

Crash Course on Python ⬈
Google | Feb 2023

Introduction to Git and GitHub ⬈

Google | Apr 2023

SQL and Relational Databases 101 ⬈

IBM | Sep 2023

Pointers, Arrays and Recursion in C ⬈
Duck University | Apr 2023

Interacting with the System and Managing Memory ⬈
Duck University | Oct 2023

McKinsey Forward Program ⬈

McKinsey | Nov 2023

INTERESTS

Mentorship • Science • Traveling