YOUSSEF SALEH ABDULASATTAR

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A self-taught backend developer (ASP.NET Core), with a strong foundation in Linux environments, seeking a junior-level role or an internship where I can leverage my passion for crafting efficient and scalable solutions, and willingness to learn and contribute effectively to the development team.

Education:

* Bachelor’s degree in management information systems, faculty of commerce English section, Helwan University, 2021 - 2024.

Experience:

* A .NET intern (building ASP.NET Core RESTful APIs with ADO.NET), SOfCO LLC, Downtown, Cairo, July 2023 - September 2023.

Languages:

* Arabic (Native)
* English (B2)

Skills:

.NET:

* + Building and running .NET applications via the .NET CLI.
  + Writing clean, efficient and reusable C# code following SOLID principles.
  + Familiar with some .NET NuGet packages, such as AutoMapper, Entity Framework Core, MediatR, and Microsoft.Data.SqlClient.
  + Executing SQL queries and stored procedures using ADO.NET (Microsoft.Data.SqlClient).

ASP.NET Core:

* + Have a good understanding of the middleware pipeline.
  + Writing clean controllers.
  + Building custom middlewares and action filters.
  + Implementing unit of work and generic repository patterns.
  + Managing services lifetime through the IoC container.
  + Basics of configuration and logging.
  + Understanding of routing and model binding.

Linux:

* Spinning up local & remote Linux virtual machines.
* Working with remote Linux virtual machines using SSH.
* Have a strong grasp of command-line navigation & file management.
* Have worked with various package managers.
* Entry-level understanding of user and group management.
* Basics of Bash scripting.

Databases:

* Experience working with SQL and its various dialects.
* Working with various relational database management systems like SQL Server and MySQL on various platforms.
* Limited experience in MongoDB and mongosh.

Python:

* + Managing virtual environments and PyPI packages.
  + Familiar with some Python libraries and frameworks including Django, Pandas, NumPy, & Selenium WebDriver.
* Skilled in Git and GitHub for version control and collaborative development.
* Basic knowledge of HTML, CSS, & JavaScript.
* Intermediate problem-solving skills.
* Implementing commonly used algorithms.
* Implementing linear data structures and their variations.
* Solid understanding of algorithmic complexity analysis (Big-O notation).
* Deep understanding of object-oriented programming and SOLID principles.
* Drawing UML class diagrams & Flowcharts.
* Solid understanding of Singleton, Builder, & Mediator design patterns.
* Basic knowledge of some system design concepts, including but not limited to caching, horizontal vs. vertical scaling, and load balancing.

Projects:

* Built a command-line-based Google images scraper to automate downloading high-quality large datasets for machine learning engineers, Built using Selenium WebDriver & urllib.request.

<https://github.com/yussuf-codes/google-images-scraper.git>