Mohamed Assaf

Full-Stack Developer

I'm a creative and enthusiastic software developer who loves backend development while also having a good grasp of front-end work. With a solid coding background and a genuine excitement for staying up-to-date with the latest tech trends, I'm dedicated to crafting top-notch software solutions that go above and beyond what clients expect.

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EDUCATION

Telecommunications and Computer Technologies
New Bulgarian University

10/2021 - Present

Courses
- Installation and maintenance of Websites
- Administration of user profiles and databases
- Fundamentals of telecommunications

Software Engineering
Software University(Softuni)

01/2021 - 01/2023   *Sofia*

Courses
- Programming with - Python
- HTML and CSS
- Programming with - JavaScript

WORK EXPERIENCE

Junior Software Developer
Gate Institute

06/2023 - Present   *Sofia*

(GATE) is the first Centre of Excellence in Bulgaria to work on integrating and extending scientific excellence and innovation in priority areas.

Tasks
- Implemented a data scraping and processing system using Python, Pandas, and PostgreSQL for monitoring air quality/noise/pedestrian. It automates data retrieval from specified stations in Sofia, Bulgaria, using Selenium for web interaction. It then processes the downloaded CSV files using Pandas, renaming columns and reshaping the data for insertion into a PostgreSQL database.
- City Lab is a project made with JavaScript for visualizing sensor data in Sofia on a map. The application allows users to show/hide sensors depending on their type. It provides multi-graphical representations of sensor data with options to select multiple sensors. The project is also hosted on IIS server in a VM: https://twin-web.gate-ai.eu/citylab/
- Sofia Sensors is a project made with Mapbox GL JS for visualizing sensor data in Sofia on a Mapbox map. The application allows users to show/hide map layers. It provides graphical representations of sensor data with options to select specific sensors. The project is also hosted on IIS server in a VM: https://twin-web.gate-ai.eu/

TECHNOLOGIES

Python JavaScript HTML&CSS IIS Flask

Docker pgAdmin Selenium PostgresSQL

Mapbox gl js ApacheTomcat SPA Wordpress

Pandas API

PROJECTS

E-commerce for Clothing
- Designed and developed a dynamic e-commerce platform with a feature-rich front-end using JavaScript, HTML, and CSS, integrated with a Python back-end. The application supports real-time cart management with dynamic price updates, secure user authentication, and registration. User data is managed in a PostgreSQL database, ensuring efficient and reliable data storage and retrieval.

Meme-Lounge(SPA)
- (SPA) for viewing and managing memes. The application, built with JavaScript, allows visitors to browse through the memes catalog. Users may register with a username, email, password, and gender, which allows them to create their posts. Post authors can also edit or delete their publications at any time.

Client-Server-Web-Application
- I developed a multi-threaded HTTP server using Python that supports user registration, login, and profile management. This server features CAPTCHA verification for enhanced security during the registration process and manages user sessions with cookies.

JavaScript (Daily task tracker)
- Daily tracker website where you can put tasks to do for the day, and see when you finished the task or if you did it or not. The project is made with DOM manipulations including query selectors and EventListener on click exc...

LANGUAGES

English
Full Professional Proficiency

Bulgarian
Native or Bilingual Proficiency

Arabic
Native or Bilingual Proficiency

INTERESTS

Software Self Improvement Problem Solving

Continuous Learning Web Development