ISLAM ABDELFATTAH

Junior Backend Developer

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Education

Moscow Institute of Physics and Technology   *Moscow, Russia*
Bachelor's of Computer Science and Applied Mathematics   *2018-2022*
GPA: 4.64/5.00

Experience

Tqniat Lab   *Egypt*
Junior Backend Developer   *April 2022 – Present*

Tqniat Lab   *Egypt*
Backend Developer Intern   *Jan 2022 – April 2022*
- Worked on the development and release of a travel and hotel booking platform for the MENA region.
- Integrated multiple third-party providers APIs using Python FastApi.
- Updated and maintained existing API functions.
- Created and executed unit tests.

Ahram Security Group   *Egypt*
Software Engineer Intern   *July 2021 – Sept 2021*
- Developed Ahram Slitting Software using C# and WPF.
- Developed an algorithm which resulted in reaching an optimal minimal waste of slicing steel sheets depending on user inputs.
- Automated the manual process of combining products to reach the optimal minimal waste.
- Worked closely with the planning team to satisfy their requirements.

Extra Cleaning Services   *United Arab Emirates*
Frontend Developer Intern   *June 2018 – Sept 2018*
- Redesigned existing webpages leading to improved navigation and enhanced visuals.
- Styled pages using CSS and developed new features using JavaScript.
- Tested website and performed troubleshooting prior to deployment.

Technical Skills

Languages:

Python, JavaScript, C#, HTML, CSS
Some Experience: Java, C++, C

Frameworks/Libraries:

Python: Flask, FastApi, pandas, numpy, matplotlib
JavaScript: Node, Express, Mongoose, jQuery, Ajax
Some Experience: Django, ASP.NET

Databases:

PostgreSQL, MongoDB, ORM

Projects

Group chatting web application - BeeXtrovert

Sept 2021 – Jan 2022

- Utilized Node, Express and Mongoose to build a web application for people in the same geographical area with the same interests to chat with each other and organize meetups.
- Used Socket.io to implement chat features in the application.
- Built frontend using JS, HTML and CSS.

Art Sharing Platform - Museum of Ordinary Artists

Sept 2020 – Jan 2021

- Built an art sharing website with Python Flask using the following technologies: SQLAlchemy, PostgreSQL, AWS(S3), Docker and Heroku.
- Developed the frontend using JS, HTML and CSS.
- Allowed users to perform CRUD operations. Admin can view and delete public posts.