

Cairo, Egypt

MARCO MOUNIR

[Github](#) - [Kaggle](#) - [LeetCode](#)

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Backend software engineer with knowledge in developing RESTful web services in Python and Java

PROJECTS (more at <https://imarco20.github.io>)

- **Blog Restful Web Service** - (Java, Spring Boot, Spring Data, MySQL, Spring Security, Spring MVC, JWT)
 - Implemented user registration functionality using Spring Security
 - Added user login functionality and user authentication using Json Web Tokens (JWT)
 - Implemented an API with different endpoints for creating new posts, and displaying users posts
- **Conference Restful Web Service** - (Java, Spring Boot, Hibernate, Postgresql, Docker)
 - Implemented an API with different endpoints for accessing the Conferences' Speakers and Topics
 - Designed the API to handle different HTTP methods
 - Connected with a Postgresql database hosted in a docker container
- **Language Identification Web Service** - (TF-IDF, Python, Logistic Regression, Flask, Docker, AWS)
 - Built a RESTful web service that classifies sentences into 22 different languages
 - Built a pipeline including a character featurizer with TF-IDF re-weighting, and a Logistic Regression classifier
 - Optimized the model's hyperparameters that it reaches a classification accuracy of 98.5%
 - Built the RESTful API using Python and Flask, and deployed it on AWS in a Docker container
- **A Full Featured Blog Website** - (Python, Django, Django Forms, Bootstrap, HTML, CSS)
 - Designed different website pages making use of template inheritance
 - Implemented user registration functionality using Django forms
 - Created user Login and Logout functionality
 - Added the functionality for allowing users to create, view, update, and delete blog posts
- **Profiles RESTful Web Service** - (Django, Django REST Framework, Vagrant)
 - Built a RESTful Web Service that provide basic functionality for managing user profiles

SKILLS

- Software Development
 - **Algorithms & Data Structures:** Sorting, Searching, Graphs, Trees, Dynamic Programming
- Coding
 - **Java** (Spring, Spring Boot, Spring Data, Spring MVC, Spring Security, Spring Cloud, JUnit)
 - **Python** (Django, Django Rest Framework, Flask, Pytest, NumPy, Pandas, Scikit-Learn)
 - **TypeScript** (Angular), **HTML, CSS, SQL**
- Technologies
 - **Apache Kafka, Docker, Git**

EDUCATION

Egypt	Faculty of Engineering - Cairo University	May 2016
● BSc. in Aerospace Engineering		

MILITARY STATUS

Completed	Egyptian Air Force	Oct 2019
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