Faouzi RJILI
Junior ICT Engineer

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Portfolio
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Hello, I am Faouzi Rjili, a fresh graduate with a degree in engineering from the Higher School of Communication of Tunis (SUP'COM), one of Tunisia's leading colleges for high-level scientific training. I am also a freelancer at Upwork.
I am a junior ICT engineer looking for software engineering positions and am proficient in C++, Python, and algorithms. I love problem-solving and have participated in multiple competitive programming contests, including the Africa and Arab Collegiate Programming Championship (ACPC).

TECHNICAL EXPERIENCE

Backend Dev / End-of-Studies Project: Containerized web app for web analysis May 2023 – September 2023
Niiwaa *Tunis, Tunisia*
- Designed the architecture of the MongoDB database, meticulously structuring it to efficiently handle the extensive volume of collected data.
- Architected the project, carefully delineating the master and worker architectures, and selecting optimal technologies such as RabbitMQ and Celery to facilitate seamless communication and task delegation between the master and worker nodes.
- Developed the backend of the application using Express.js, ensuring robust performance and reliability in data extraction and processing.
- Implemented the master-slave architecture, orchestrating the connection between workers and the master node using RabbitMQ and Celery. This architecture streamlined task allocation and scheduling, significantly enhancing the overall efficiency of the web crawling process.
- Containerized the entire application using Docker, encapsulating each component within its own container for efficient deployment and management.
- Orchestrated the application using Docker Compose, enabling seamless management of the entire web analysis platform.

Developer Intern / Web Scraping July 2021 — August 2022
ElyaData *Tunis, Tunisia*
- Learned and applied Git for version control.
- Utilized Docker and Dockerhub for project containerization.
- Developed a web scraping bot using Selenium and Scrapy.
- Extracted data from Facebook and Instagram posts and comments, saving it to a MongoDB database.
- Deployed the project using FastAPI and created a Docker image for it.

Freelance Developer / implement walk problem with different approach and visualize data January 2021 - February 2021
Upwork *Remote*
- Implemented different approaches.
- Used pyplot to visualize charts of data.
- Calculated score and tried to find the best approach .

EDUCATION

ICT engineering, *Higher School Of Communication Of Tunis*	2019 - 2023
Pre-Engineering, *Preparatory Institute for Engineering Studies of Nabeul (rank 11/700 at National Exam)*	2017 - 2019
Baccalaureate degree with Excellent grade (16.59/20), *Benguerden's High School*	2013 - 2017

PROJECTS

Open-cv virtual mouse (Python)	October - 2021
Deep Reinforcement learning snake Game player (Python)	December - 2021
Basic Routing Algorithm (C++)	December 2021
Path finding Visualizer (ReactJs)	November - 2023

SKILLS

Tools and Languages	Python, C/C++, JavaScript,Express.Js, ReactJs, Docker, Git
Quantitative Research	Mathematical optimization, Problem solving
Communication	English(Fluent), French (Fluent), Arabic (Native), German(basics)

ACTIVITIES

Started my own e-commerce business	April 2022 - 2023
Trained high school students for IOI contest	Mars 2022
Problem solving contestant : Honorable mention in ACM Arab Collegiate Programming Contest 2021	Mars 2021
Participated in a rescue workshop with the Red Crescent and received training	August 2019