Faouzi RJILI
Junior ICT Engineer

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Portfolio
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Hello, I am Faouzi Rjili, a Software Engineer with degree from the Higher School of Communication of Tunis (SUP'COM), one of Tunisia's leading colleges for high-level scientific training.

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

C/C++ Software Engineer   **September 2024 — Present**
Telnet   *Sfax, Tunisia*
- Developed and maintained C/C++ applications for embedded systems, focusing on payment terminals and monetics solutions in collaboration with Ingenico.
- Worked in a Linux environment, optimizing software for stability and performance, and security in embedded systems.
- Utilized SVN and Git for version control, ensuring efficient collaboration and tracking of software changes.
- Managed project tasks and issue tracking using Jira, improving workflow efficiency.
- Containerized applications using Docker, streamlining deployment and enhancing portability.
- Gained experience in secure payment processing, encryption protocols, and embedded software design.

Freelance Developer   **January 2023 - September 2024**
Upwork   *Remote*
- Implemented different approaches.
- Used pyplot to visualize charts of data.
- Calculated score and tried to find the best approach .

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.
- 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.
- 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.

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
Data compressor (C)	february - 2025

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