Perla Alhaddad

Full Stack Web Developer

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PROFILE

Full stack web developer, with two years of experience. Dedicated to crafting elegant products with a focus on top-tier code design and performance, using a diversity of modern technologies, with the goal to deliver a remarkable UI/UX experience for the user.

PROFESSIONAL EXPERIENCE

Full stack web developer
November 2021 – present

UN-ESCWA, The United Nations Economic and Social Commission for West Asia

- Provided key contributions to the development of the UN RCP Open Data Catalog. Leveraging the DMS tool CKAN, I led efforts to create a dynamic website that facilitates seamless access to a diverse array of scraped datasets from various online sources.
  - **Optimized Data Ingestion Performance:** Spearheaded a significant enhancement in data ingestion efficiency, reducing processing time from 5 minutes to an impressive 400 milliseconds.
  - **Revamped Frontend Interface:** The resulting transformation ensured a cohesive and intuitive user experience, aligning the application with the organization's visual identity.
  - **Enhanced Search Engine Functionality:** Engineered a comprehensive revamp of the default CKAN Solr search engine, tailored to the project's specific requirements. This meticulous redesign delivered a remarkable performance boost. The search time was drastically reduced from over 30 minutes to an impressive 3 seconds for retrieving all recorded metadata.
- Built frontend applications for multiple clients. Most especially HTML/CSS/JavaScript and ASP.NET applications. Notable projects include: The *Arab Region Geospatial Portal*, and the *Arab Ground Water*.
- Enforced healthy codebases, coding style and standards.
- Proficiently designed and executed workflows that seamlessly integrated Azure technologies, including Azure Functions, triggers, queues, topics, and ACIs. Orchestrated efficient data processing and event-driven actions, showcasing a keen ability to leverage diverse tools for optimal performance.
- Worked on the cloud migration and refactorization of multiple on-premises applications.

Student intern
September 2021 – October 2021

UN-ESCWA, The United Nations Economic and Social Commission for West Asia

- In my third year of university, I joined UN-ESCWA as a Python web scraper for the "Future of Work" project.
  - Developed and managed more than 50 web scrapers, extracting data from diverse online sources, and seamlessly populating a MongoDB database for future data analysis.
- Developed dashboards using R, R shiny and R shiny dashboard.

SOFTWARE AND TECHNOLOGIES

- HTML/CSS/Javascript, JQuery, Bootstrap
- ASP.NET
- R, R Shiny, R Shiny Dashboard
- Node.js
- MSSQL
- Microsoft Azure
- Java
- PostgreSQL
- Docker
- Python
- Apache Solr
- Apache Spark

EDUCATION

Computer Science bachelor's degree
October 2019 – September 2022

Lebanese University, Faculty of Science – Fanar

End of studies' project: Develop a data catalogue for UN-ESCWA, using and extending the CKAN DMS software.

Graduated with Honors.

LANGUAGES

Arabic – Maternal Language | **English** – Professional competence | **French** – Professional competence