Hussein Turfah

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Mastering both frontend and backend intricacies, I craft user-friendly websites that transcend expectations, seamlessly merging intuitive design with robust functionality for unparalleled digital experiences.

Professional Experience & Projects

Junior Full Stack Developer, Dojo FZ LLC, Abu Dhabi, UAE

May 2023 – Present

- Developed and implemented frontend web pages, using Next.js and Redux.js to ensure a seamless integration with backend API routes using Redux.js actions, store and reducers.
- Designed and implemented backend functionalities and features to enhance overall system capabilities.
- Developed backend functions to facilitate the company's messaging system using Socket.IO.
- Translated frontend designs into responsive and user-friendly web applications using media queries and responsive style properties.
- Diagnosed and resolved complex bug issues, contributing to the overall improvement of system performance.
- Assisted clients by acting as a key point of contact for technical problem-solving, troubleshooting bugs and effectively communicating solutions to both technical and non-technical stakeholders.
- Collaborated with cross-functional teams to achieve project milestones and deliver high-quality software solutions using Notion Sprints.

Agricultural Engineer and Field Manager, Turfah Company, Sarafand, Lebanon

May 2018 – Sep 2019

- Created pesticide and fertilizers application schedules.
- Managed staff work schedules according to daily chores and staff knowledge.
- Compared the yield results and reported them to the farm owner to create better assessment of fertilization schedules.
- Developed and maintained digital records storing staff and analytical data for later assessment.

Key Skills

- **Programming (and Scripting) Languages //** PHP, JavaScript, SQL, Python, and C++
- **Database Management Systems //** MySQL and MongoDB
- **Frameworks and Libraries //** Laravel v9.x, Next.js, React, Node.js, jQuery, and Electron.js
- **Tools and Cloud Service //** GitHub, Redux, Postman, and Figma
- **Theory //** Complexity Analysis, Data Structure and Algorithms, Design Patterns, and OOP

Training and Certifications

Full-Stack Web Development Bootcamp, SE Factory, Beirut

Feb 2023 – May 2023

- Completed an intensive full-stack web development program covering cloud architecture, front- and back-end development, source control, and web application security over 14 weeks of lectures, workshops, and projects.
- Created FarmDuino, a desktop application that employs MQTT to communicate with a Smart Greenhouse System, integrates GPT3.5-Turbo for plant environment recommendations, and fetches images for identified plant genus and species using an external API. The Smart Greenhouse System consists of an Arduino board and connected sensors and actuators.
  - Front-end // React, and Electron
  - Back-end // Laravel
  - Database // MySQL
  - Internet of Things
  - Artificial Intelligence

Ethical Hacking Foundation, Semicolon Academy, Beirut

Sep 2022 – Oct 2022

- Completed a practical hands-on course covering the basics of cyber security and ethical hacking in three main areas: network security, penetration testing, and bug hunting.

Education

Bachelor of Science (B.S.) in Agriculture

American University of Beirut, Beirut, Lebanon August 2018 – June 2022