ALI NEHME, Ph.D.

Full Stack Developer

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SUMMARY

A Full Stack Developer with a passion for developing scalable and complex applications. Backed up with data science experience and a diverse set of soft skills from 10 years of scientific research. Always strive to bring 100% to the work I do. I look forward to joining a creative and hard-working team where I can grow my skills while pushing projects to success.

SELECTED PROJECTS

ChatApp
📅 09/2022
🔗 https://github.com/nehmea/2022-WDII-chatApp

A messaging app/forum similar to Discord with rooms and live messaging.
- **Frontend:** React.js and CSS / **Backend:** Node.js and socket.io / **Database:** MySQL
- **Role:** authorization, live messaging, database management, profile management

Commons
📅 08/2022
🔗 https://github.com/SpicyRiceTea/HomingPigeonWD1

A website that can serve as a platform for people to share their possessions.
- **Frontend:** Thymeleaf, Bootstrap / **Backend:** Java Spring Boot / **Database:** MySQL
- **Role:** project skeleton, database management, authentication and authorization

HomingPigeon
📅 06/2022
🔗 https://github.com/SpicyRiceTea/HomingPigeonWD1

A commercial website for selling postcards.
- **Frontend:** PHP, HTML, and CSS / **Backend:** PHP / **Database:** PhPMyAdmin
- **Role:** products page (add to favourites & cart), product info, profile management

Bookstore Library
📅 05/2022
🔗 https://github.com/nehmea/JAC_FSD_WS_Bookstore

A REST API that stores information on books and users, and represent them to users.
- **Frontend:** JS, HTML, & CSS / **Backend:** Java Spring Boot / **Database:** MySQL
- **Role:** I developed the whole API (solo project)

PREVIOUS EXPERIENCE

Principal Mentor
STEM-Away   📅 06/2020 - Ongoing   📍 USA (Remote)
- Designed workshops and oversaw educative projects in bioinformatics.

Computational Biology Consultant
Freelancing   📅 09/2019 - Ongoing
- Helped private and academic teams design projects and perform analysis.

Postdoctoral Researcher in Cancer Genomics
McGill University   📅 09/2018 - 08/2020   📍 Montreal, Canada
- Designed a workflow to analyze spatial transcriptomics data.
- Assisted colleagues and collaborators on eight projects with bioinformatics analysis on RNA-seq, scRNA-seq, and GeoMx DSP data.

Postdoctoral Researcher in Molecular and Computational Biology
University of Tours   📅 09/2016 - 06/2018   📍 Tours, France
- Designed a workflow for horizontal integration of transcriptomics datasets.
- Delivered results on 12 projects using computational and bench methods.
- Initiated a project for biomarkers discovery and prognostic score development in AML using data science and machine learning models.

LANGUAGES

English	Proficient	●●●●○
French	Intermediate	●●○○○
Arabic	Native	●●●●●

TECHNICAL SKILLS

Frameworks
React   Java Spring Boot   .NET core
ASP.NET   WPF   Razor Pages   jQuery
Socket IO

Frontend
JavaScript   XAML   HTML   CSS
ThymeLeaf

Backend
Java   NodeJS   PHP   Python   R   C#

Database
MySQL   MSSQL   PhPMyAdmin

Hosting
AWS EC2   AWS RDS   XAMPP

Project Management
Github   Microsoft Office   Trello

Data Science
Data Wrangling   Visualization   Regression

SOFT SKILLS

Agile   Time management   Teamwork
Presentation   Self-learning   Flexiblity

EDUCATION

Full-Stack Developer (AEC, 1035 hours)
John Abbott's College
📅 01/2022 - Ongoing

Ph.D. in Bioinformatics and Pathophysiology
Claude Bernard University Lyon 1
📅 02/2013 - 11/2015

Masters in Genomics and Health
Lebanese University
📅 09/2010 - 06/2012

TRAINING / WORKSHOPS

The Data Science Course 2022: Complete Data Science Bootcamp
Udemy, Ongoing

Introduction to the Unix Shell
Calcul Quebec, September 2020