

ALI NEHME, Ph.D.

Full Stack Developer

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SUMMARY

A soon to graduate 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 as a computational biologist. 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.

Available starting from January 2, 2023.

SELECTED PROJECTS

ChatApp

09/2022

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
- <https://github.com/nehmea/2022-WDII-chatApp>

Commons

08/2022

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
- <https://github.com/SpicyRiceTea/HomingPigeonWD1>

HomingPigeon

06/2022

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
- <https://github.com/SpicyRiceTea/HomingPigeonWD1>

Bookstore Library

05/2022

A REST API that stores information on books and users, and represent them to users.

- Frontend:** JS, HTML, Bootstrap / **Backend:** Java Spring Boot / **Database:** MySQL
- Role:** I developed the whole API (solo project)
- https://github.com/nehmea/JAC_FSD_WS_Bookstore

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 spatial transcriptomics 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 French

Arabic

TECHNICAL SKILLS

Frameworks

React Java Spring Boot .NET core

ASP.NET WPF Razor Pages jQuery

Socket IO JPA Sequelize

Frontend

JavaScript XAML HTML CSS

ThymeLeaf

Backend

Java NodeJS PHP Python R C#

Database

MySQL MSSQL phpMyAdmin Sqlite

Hosting

AWS EC2 AWS RDS XAMPP

Project Management

Github Microsoft Office Trello

Data Science

Data Wrangling Visualization Regression

Clustering PCA Hypothesis Testing

SOFT SKILLS

Agile Time management Teamwork

Presentation Self-learning Flexibility

EDUCATION

Full-Stack Developer (A.E.C., 1035 hours, Average 95%)

John Abbott's College

01/2022 - Ongoing

Ph.D. in Bioinformatics and Pathophysiology

Claude Bernard University Lyon 1

02/2013 - 11/2015

TRAINING / WORKSHOPS

The Data Science Course 2022: Complete Data Science Bootcamp

Udemy, Ongoing

Introduction to the Unix Shell

Calcul Quebec, September 2020