

ALI NEHME, Ph.D.

Full Stack Developer

+1 438 334-1206 @ ali.nehme@biomedinfo.co https://nehmea.github.io/portfolio-fsd/ Brossard, Canada

SUMMARY

As a junior full stack developer, I have experience building applications with a variety of languages and frameworks, including JavaScript, Java Spring Boot, React, NodeJS, Python, Django, and PHP. Besides, I have extensive data science experience and a diverse set of soft skills from 10 years of scientific research in a computational biology. I 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

StudyBuddy

11/2022 - Ongoing

A school forum for exchanging ideas and solving problems together.

- ASP.NET, C#, Razor Pages, EF6, MySQL, HTML, Bootstrap, CSS
- Role:** authorization, User, Forums, Posts, Blob storage
- https://github.com/RamiChaouki/StudyBuddy

ChatApp

09/2022

A messaging app/forum similar to Discord with rooms and live messaging.

- ReactJS, NodeJS, sequelize, MySQL, socket.io, HTML, CSS
- 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.

- Java Spring Boot, JPA, MySQL, Thymeleaf, Bootstrap, CSS
- Role:** project skeleton, database management, authentication and authorization
- https://github.com/SpicyRiceTea/HomingPigeonWD1

HomingPigeon

06/2022

A commercial website for selling postcards.

- PHP, PhpMyAdmin, HTML, CSS
- 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.

- Java Spring Boot, JavaScript, jQuery, MySQL, HTML, Bootstrap
- 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 in AML using data science and ML.

TECHNICAL SKILLS

Frameworks

Java Spring Boot	React	NodeJS	.NET core
ASP.NET	WPF	Razor Pages	jQuery
Socket IO	JPA	Sequelize	

Frontend

JavaScript	XAML	HTML	CSS
ThymeLeaf			

Backend

Java	PHP	Python	R	C#	Ubuntu
------	-----	--------	---	----	--------

Database

MySQL	MSSQL	phpMyAdmin	Sqlite
-------	-------	------------	--------

Hosting

AWS EC2	AWS RDS	XAMPP
---------	---------	-------

Project Management

Github	Microsoft Office	Trello	JIRA
--------	------------------	--------	------

Data Science

Data Wrangling	Visualization	Regression
Clustering	PCA	Hypothesis Testing
Large data (>100m data points)		

SOFT SKILLS

Agile	Time management	Teamwork
Presentation	Self-learning	Flexibility

EDUCATION

Full-Stack Developer (A.E.C., 1035 hours, Avg 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

LANGUAGES

English, French, Arabic