ALI NEHME, Ph.D.

Full Stack Developer

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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.

SELECTED PROJECTS

JobDash
📅 12/2022

A job application dashboard to search, apply, and follow up with application process.
- Django, React, Python, JavaScript, Azure Cloud Database, HTML, CSS, Bootstrap
- **Role:** backend design, Job Post analyzer, unit testing, CV and applications pages
- https://github.com/CocoScrappy/JobDash
- https://github.com/CocoScrappy/jobdash-front

Studdy body
📅 11/2022

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

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

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   Django   React   NodeJS
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   Flexiblity

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