

# Marwan Haj Mohamed

UK Citizen | 07505822779 | [marwan.khaj@hotmail.com](mailto:marwan.khaj@hotmail.com) | [Portfolio](#) | [LinkedIn](#)

## Summary

Frontend/Full Stack Developer with three years of experience building responsive interfaces and scalable back-end systems. Proven track record of delivering high-quality software in Agile environments, with a focus on performance, scalability, and user experience. Strong teamwork and communication skills, with a proven ability to collaborate effectively within diverse teams and build positive working relationships.

## Education

BSc Computer Science, Brunel University, **First Class Honours**

Sep 2021 – May 2024

A Levels in Mathematics, Computer Science, Economics and Arabic, **BBBA**

Sep 2019 – May 2021

## Employment History

Frontend Engineer, Brunel Talent Marketplace (BTM)

August 2022 – May 2024

- Launched BTM, derived from Brunel University, a startup that aims to deliver IT services at affordable prices.
- Delivered **3 different products** to **HecoAnalytics**; HecoCalc, HecoCost, HecoRep.
- Developed using **React**, in an **agile** environment with a team of **3 engineers**.
- Met **100%** of project deadlines across all iterations, leading to a **20%** increase in customer satisfaction
- **Meeting deadlines** after every iteration and improving **communication** skills with the team and the customer.

Frontend Engineer, HecoCalc

Dec 2022 – May 2023

- Built and deployed a cost-analysis platform using **React**, increasing client efficiency by **25%**.
- Constructed a **sensitivity analysis** algorithm that calculates incremental costs to plot a **tornado diagram** in React.
- Library **Recharts** allowed me to visualise the line graph and **devextreme** was used to visualise the tornado diagram.
- Stored user details in **AWS Cognito** and **JSON** files in **S3** buckets.

Frontend Engineer, Manazil

Aug – Nov 2024

- Built a responsive **single-page application** for an engineering consultancy using **React**.
- Developed modular, **reusable components** to ensure scalability and maintainability.
- Integrated Agile development practices, showcasing iterative builds and conducting sprint demos.
- Optimised performance by implementing **lazy loading**.
- Ensured responsiveness across mobile and desktop devices using CSS media queries.

Frontend Engineer, AlMadani

July – Aug 2023

- Collaborated with a rental agency to develop a mobile application using **React Native**.
- Gathered **requirements** from stakeholders to ensure the app met business needs.
- Designed wireframes using **Figma** to create a clear visual structure of the user interface.
- Increased usage of rental services, including transportation, by **30%** within the first three months.

## Projects

Full Stack Engineer, Healio

Nov 2023 – Feb 2024

- Developed a **Random Classification** Artificial Intelligence model using **Python** to predict a disease from given symptoms. Techniques like feature engineering and data preprocessing were used to enhance performance.
- Created an algorithm to extract symptoms from a given text, which had **80% accuracy** after thorough testing. The algorithm involved tokenization, named entity recognition, and text preprocessing techniques to capture symptoms.
- Used **Springboot** and **MySQL** to store user details and conversations and **React** to develop the frontend.
- Hosted the model with **Flask**, and the full stack application using **Vercel**.
- Employed **gpt-turbo-3.5** to facilitate responses to non-health related queries, enhancing user engagement.

## Skills

HTML, CSS, JavaScript, React, SpringBoot, NodeJS, RESTful APIs, Java, Python, AWS, MySQL, Git, Jira.

## Achievements

Presented to an audience of 100+ attendees, and was awarded a certificate for winning the annual Made in Brunel competition for presenting my final year project, Healio.

## Languages

English – fluent, Arabic – fluent

## Hobbies

Boxing, gym, chess, football, content creation (boxing and fitness).