MURAD KAMALI

SOFTWARE ENGINEER

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SKILLS

PROGRAMMING
Java • Node.js • JavaScript • TypeScript

FRONT-END
Reactjs • Nextjs • Tailwind CSS • HTML/CSS

BACK-END
MySQL • MongoDB • Firebase • AWS • GraphQL • Docker • Spring Boot

EDUCATION

BSC COMPUTER SCIENCE WITH PLACEMENT
Brunel University, London

2019-2023

- Achieved a 1st Class Honours with professional practice

EXPERIENCE

SOFTWARE ENGINEER
Clock.

Industrial Placement: August 2021 - September 2022

Zero-hour contract: September 2022 - Present

- Full stack software engineer collaborating with a diverse range of clients across industries such as news, gaming, and sports. Notable organisations included WSJ, The Telegraph Extra, Epic Games, Riot games, and Gloucester Rugby.
- Contributed to end-to-end development of client projects, encompassing the creation of websites and loyalty platforms, customisation of CMS solutions to meet client specifications, and crafting robust RESTful APIs using Node.js. Conducted unit testing, actively participated in the QA process through PR reviews, and generated custom scripts for database refactoring
- Adapted to different technology stacks while working on a variety of projects, from utilising the Jade template engine for older projects to using Next.js, TypeScript, and GraphQL for newer React projects.
- Refined my communication & interpersonal skills to articulate my thoughts and ideas clearly to non-technical team members and clients.

TECHNICAL PROJECTS

CAR PRICE PREDICTOR

Developed an AI-powered web application for predicting current and future prices of cars

React • TypeScript • NextJs • Python

- Developed an interactive UI using React and TypeScript, enabling form input and dynamic interaction with results presented graphically through an interactive line chart.
- Built multiple random forest regression AI models utilising input features such as manufacturer, model, age, mileage, annual mileage, and transmission.
- Gathered and processed extensive datasets on the UK used car market, used for training the AI models.

SORTING ALGORTIHMS VISUALISER

A webapp to simulate and demonstrate different sorting algorithms for students

React • Javascript • HTML/CSS

- Implemented Merge Sort, Bubble Sort, Insertion Sort, and Quick Sort.

HOME FITNESS

Project team lead for the development of a fitness website catering to people working out from home

Java • Spring Boot • MySQL • React • JavaScript • MUI

- Applied Material UI with React to build a constant theme for the website's design.
- Created a MySQL server to store website/user data.
- Implemented REST API using Java and Spring Boot.

MULTIDOKU

A multiplayer sudoku webapp hosted by a SocketIO server on AWS EC2

React • TypeScript • AWS (EC2) • Tailwind CSS • Nginx • Zustand

- Utilized backtracking algorithm to generate Sudoku puzzles and solutions.
- Implemented real-time multiplayer gameplay via SocketIO, enabling lobbies with unique room IDs.
- Configured Nginx reverse proxy for secure HTTPS connections, enhancing user safety.
- Created an intuitive UI with React, TypeScript, and Tailwind CSS, utilising Zustand for state management