Murad Kamali

SOFTWARE ENGINEER

Stevenage, UK

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Skills

Programming Languages

TypeScript, Java, Node.js, JavaScript

Frontend

React, Nextjs, TailwindCSS, HTML/CSS, SASS

Backend

MySQL, MongoDB, AWS, GraphQL, Spring Boot

Development Tools

Git, GitHub, Docker, Jira, Nginx, Mocha & Chai, JUnit, DroneCI

Education

BSc Computer Science with Placement

Brunel University, London   Sep 2019 - Jun 2023

- Achieved a 1st Class Honours with professional practice
- In-depth coursework covering a range of key areas:
- Algorithms and Applications: Extensive study of algorithms and their practical applications
- Software Development and Management: Explored principles of software development, including Agile and Waterfall methodologies, and applied them in practical group projects
- Software Engineering: In-depth understanding of software engineering methodologies and best practices
- Artificial Intelligence: Explored foundational concepts and applications of AI in computer science
- Advanced Topics in Computer Science: Delved into cutting-edge subjects such as microservices architecture, autonomous vehicles, AR, and mixed reality, providing insight into emerging technologies and their applications in the field of Computer Science

Experience

Clock Limited

Full Stack Junior Software Engineer   2021-2023

- Contributed to the end-to-end development of client projects, including the creation of websites and loyalty platforms as well as building custom CMS solutions to meet client requirements
- Produced robust RESTful APIs and unit tests using Node.js
- Created custom scripts for database refactoring in MongoDB
- Implemented new components and features for both websites and CMS using React with TypeScript while optimising website performance and enhancing SEO using Next.js
- Developed customisable widgets for the CMS, allowing users to seamlessly adjust website content presentation
- Conducted thorough code reviews for pull requests and provided valuable mentorship to newly onboarded placement engineers
- Managed the support rota, resolving tickets raised by the project manager or clients
- Engaged in client meetings to discuss identified bugs, features, and delivered technical demonstrations on staging environments
- Effectively articulated thoughts and ideas to non-technical team members and clients

Technical Projects

Car Price Predictor

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

⚲ https://github.com/Murad-code/car-price-predictor

TypeScript, React, Nextjs, TailwindCSS, Python

- Developed an interactive UI using React and TypeScript, enabling form input and presented the results graphically on an interactive line chart
- Built multiple random forest regression AI models utilising input features such as manufacturer, model, age, mileage, annual mileage, and transmission
- Processed large datasets from the UK used car market to train the models

MultiDoku

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

⚲ https://github.com/Murad-code/sudoku

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

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