Jhelan Suggun

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Profile

Mechanical Engineering graduate with first-class honors, eager to transition into a software engineer role. Experienced in both front-end and back-end development, with a solid understanding of various programming languages and frameworks including JavaScript and React. Developed a range of innovative and user-friendly applications, reflecting a commitment to continuous learning and staying updated with the latest industry advancements. Previous roles have cultivated strong communication and problem-solving skills, essential in fast-paced environments.

Skills

Python, C	HTML, CSS, SASS	GIT, GitHub, VSCode
JavaScript, TypeScript	React, NextJS, GraphQL, jQuery	Firebase
SQL, MongoDB, MySQL	NodeJs/Express	AGILE Methodologies, Unit Testing

Education

MEng Mechanical Engineering (First Class Honours)   **University of Southampton**
Sep 2018 – Jul 2022
Coursework: [Odometry, Responsive Systems]

A Level (A*AB – Maths, Physics & French)   **Loxford School**
Sep 2015 – Jul 2017

Personal Projects

Portfolio Website
- Designed and developed a professional portfolio website using React and Framer Motion to showcase skills, projects, and background information.

FireBlog
- Developed a fully responsive blog application using JavaScript, React, and Firebase.
- Implemented secure user authentication and authorization functionalities.
- Designed a user-friendly interface facilitating seamless post creation with or without image uploads.

Quiz Master App
- Built a full-stack app with personalized dashboards showcasing quiz performance through intuitive charts.
- Implemented JWT authorization and authentication methods ensuring high data security.
- Utilized technologies such as React and Node.js for the development of the application.

Social Stock Analysis (StockSense)
- Created a dynamic application to display market sentiment data and the latest updates on selected stocks.
- Enhanced user experience by incorporating local storage functionality to remember users' latest searches.
- Utilized cutting-edge technologies and frameworks for the development of the application.

Odometry
- Designed and developed software for a line-tracking robot using an Arduino microcontroller.
- Integrated and tested software and hardware components within a team adopting an AGILE methodology.
- Successfully met design requirements within allocated budgets and resources.

Professional Experience

Band 3 Admin & Clerical   **Apr 2023 - Present**
NHS
- Leveraged software tools expertise to enhance patient safety protocols and response mechanisms, showcasing perseverance, problem-solving, teamwork, and time management skills in a high-pressure environment.