Sagar Purohit

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Personal statement

Highly skilled JavaScript Developer offering a strong foundation in software engineering and programming principles across multiple platforms. I Write code of a high standard according to the general core coding principles. Quickly learn and master new technologies, successful working in both teams and self-directed settings.

Technical Skills

- React.js, JavaScript
- HTML5, CSS3, Bootstrap
- Node.js, Express
- NPM, Yarn

Education

University of Leicester - MSc in Advanced Software Engineering (grade- Merit 2:1)

(January 2021 – June 2022)

Kadi Sarva University- Bachelor's in Computer Application (grade- First Class)

(June 2017 – August 2020)

Experience

Software Developer at troopr.co.uk (Remote, May 2023 - October 2023)

- Spearheaded automation initiatives through scripting, resulting in a 24% increase in workflow efficiency.
- Automated thousands of processes, transforming multi-day tasks into efficient, time-saving operations, contributing to a 40% improvement in overall task productivity.
- Collaborated seamlessly with cross-functional teams to identify and address development needs.
- Managed and optimized user interfaces, resulting in a 25% improvement in overall user satisfaction.
- Played a pivotal role in addressing pain points and streamlining day-to-day operations through effective automation strategies, resulting in a 30% increase in operational efficiency.

Academic Module

- Software Measurement and Quality Assurance
- Service-Oriented Architectures
- Advanced C++ Programming
- Agile Cloud Automation
- Mobile and Ubiquitous Computing
- Service Design
- Generative Development
- Individual Project
- Personal and Group Skills

Project

MSc dissertation project:

(February 2022 – May 2022)

MERN stack-based Ecommerce Web application:

The MERN stack (MongoDB, Express, React, and Node.js) is a popular technology stack for building web applications, and in this MSc dissertation project, it was used to develop an e-commerce platform.

The project began with the design and implementation of the backend, which was built using MongoDB for data storage, Express for routing, and Node.js for server-side logic. The frontend was developed using React, which allowed for the creation of a user-friendly interface and efficient rendering of the store's products.

To ensure the security and scalability of the platform, various measures were taken, such as implementing authentication and authorization, as well as implementing caching and load balancing techniques.

In addition, the project included the integration of payment gateways and the implementation of various features specific to e-commerce platforms, such as a shopping cart, order history, and product recommendations.

Overall, this MSc dissertation project resulted in the creation of a fully functional e-commerce platform that demonstrates the capabilities of the MERN stack and the potential for its use in building modern web applications.