

SOMI(QIN) YI

📍 Cardiff | 📞 07771686467 | ✉ somi_yi@outlook.com | 💻 <https://dynamic-portfolio-h10b.onrender.com>

SUMMARY

Eligible for full-time employment in Sep 2024 without company sponsorship under PSW visa, I have practical experience with Python, Java, SQL, JavaScript, HTML and CSS. My project on developing, testing, and deploying an Admin Dashboard for E-commerce Analytics demonstrates my capability in full-stack software development. My commitment to continuous learning and strong problem-solving abilities make me a valuable candidate.

EDUCATION

Cardiff University, School of Computer Science and Informatics

Master of Science in Computing

Sep 2023 - Sep 2024(Expected)

East China Jiaotong University, International School

Bachelor of Management in Accounting (International Accounting)

Sep 2014 - Jun 2018

TECHNICAL SKILLS

Tools: Git, MySQL, PostgreSQL, MongoDB, Render, VS code, Power BI

Languages: SQL, Java, Python, JavaScript, HTML, CSS

Frameworks: Node.js, Express.js, Flask, React, Bootstrap

Relevant Coursework: Software Engineering, Databases and Modelling, Algorithms, Data Structures and Programming

PROJECT

MERN Stack Admin Dashboard for E-Commerce Analytics [Live Demo](#)

Frontend Development:

- Implemented a dynamic product page using React and Material UI for real-time display of prices and ratings, with Redux Toolkit for efficient state management.
- Developed an interactive customer list interface with Material UI Data Grid to visualize registration information, professions, and roles.
- Integrated Redux Toolkit Query for data fetching and Nivo Charts for creating advanced data visualizations, including revenue and profit linear graphs and customizable sales charts.

Backend Development:

- Built a backend infrastructure using Node.js and Express.js, handling API requests and integrating with MongoDB through Mongoose for persistent data storage.
- Designed and implemented complex data models with Entity Relationship Diagrams to optimize the representation and management of e-commerce data.
- Developed MongoDB aggregate queries for sophisticated data analytics and reporting, enhancing database interactions for high-performance data retrieval.

Deployment and Testing:

- Utilized Postman for extensive API testing, verifying the correctness and performance of API endpoints, ensuring reliable backend services.
- Successfully deployed and thoroughly tested the application on Render, ensuring quality and robust integration with comprehensive testing across frontend and backend.

FullStack Interactive Portfolio Website

[Live Demo](#)

- Developed a responsive personal portfolio website using React and Bootstrap, enhancing design and compatibility.
- Added real-time commenting for various user roles, a rating system with averages and counts, and a subscription function, all managed with Flask and SQLAlchemy for streamlined data handling.
- Implemented secure user authentication and data protection in login/signup features utilizing with Python by Flask.

LEADERSHIP EXPERIENCE

Cardiff University

Student Academic Representative

Cardiff, UK

Oct 2023 - Present

- Spearheaded the collection and communication of student feedback to university staff, facilitating the Student Staff Panel meetings to address academic challenges and enhance the learning environment.
- Influenced positive changes in course structure and university policies, leading to improved student satisfaction.

HOBBIES

- Hiking, Landscape Photographer, Fitness.