

Muammer (Henri) Roquain

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PROFILE

A passionate and analytical individual with a strong foundation in programming languages, algorithms, data structures, and web and mobile app development technologies. These were gained through two major projects: The Teamwork Collaboration Tool and Meal Mate which was successfully completed during the final academic year. I am eager to learn new technologies, take on challenging projects, and grow professionally in a supportive and dynamic work environment. As a Computer Science graduate, I am actively seeking a graduate position as a front-end developer.

EDUCATION

BSc (Hons) Computer Science, Kingston University (First Class)

Sept 2020 – July 2023

Key modules: Advanced Data Modelling, Mobile Application Development, Software Development Practice, Patterns and Algorithm, Requirements Analysis and Design and Database – Driven Application Development

Diploma in Computing, Coulsdon College

Sept 2018 – July 2020

Achieved Two Distinction Grades in BTEC Computing

Extended Certificate in Applied Science, Coulsdon College

Sept 2018 – July 2020

Achieved Distinction Grade in Applied Science

PROFESSIONAL EXPERIENCE

Project Supervisor Helper, Kingston University

June 2023 – August 2023

Undertaken a brief summer Project Supervisor Helper role mentoring upcoming final year university students.

- Assisted in teaching level 5 students React JS and Express JS, while also co-leading a small development team in developing their first web application.
- Coordinated with approximately a dozen top students, ensuring their commitment of at least 20 hours per week to coding tasks and attending on-campus review days.
- Collaborated to help handle deployment responsibilities and supported with the development, debugging, and maintenance of both frontend and backend code.

Academic Mentor, Kingston University

Sept 2021 – May 2022

Selected to assist first-year students in their academic studies for Computer Science

- Guided student teams in a sustainability project, helping identify customers, develop sustainable business models, and prepare for industry panel pitches.
- Emphasised effective communication and presentation skills, aligning with module objectives to enhance professional communication within the academic environment.

SKILLS

- Languages: *JavaScript, HTML, CSS, Python, Java, PHP*
- Frameworks: *Express.js*

- Libraries: *React, React Native*
- UX Design: *Adobe XD, Figma*
- Databases: *Oracle APEX, MySQL*
- Methodologies: *Waterfall, Agile (Scrum), Agile (DSDM)*
- Testing: *JUnit Testing*
- Version Control: *Git*

PROJECTS UNDERTAKEN

Teamwork Collaboration Tool – Web Development Project

In this project, I leveraged the React framework and node.js to develop a Single Page Application (SPA) aimed at facilitating students in managing and monitoring their tasks for a given project or group work exercise. Additionally, promoting collaboration by providing tools for students to provide feedback for their peer's tasks.

- Developed a highly interactive and intuitive frontend with React.
- Implemented task creation, assignment, and tracking functionalities for student group work.
- Utilised node.js on the backend for fast and scalable application performance
- Efficiently handled user requests and data management using node.js
- Integrated Express.js backend for seamless routing and data management
- Enabled lecturers to monitor group progress and assess individual contributions.
- Created reusable components throughout the project development process.

Meal Mate - Mobile Application Development Project

For this project, I utilised React Native for the frontend and Express.js for the backend to develop a Recipe Blogging app. The primary objective was to provide users with a platform to share their culinary creations and interact with like-minded individuals.

- Achieved a fluid and responsive user interface using React Native.
- Utilised Express.js on the backend for server-side routing and data management.
- Established a scalable and robust backend architecture.
- Allows users to create and publish recipes.
- Implemented features for users to review, rate and favourite recipes.

Sustainability Innovative Petitions - COP26 Project

As a team member in the COP26 Project, I played a crucial role in the S.I.P. (Sustainability Innovative Petitions) team. We recognised the need for a more efficient petition platform, launching a local-scale project that involved creating a user-friendly website for quicker petition enactment, fostering sustainability discussions, and enhancing user awareness. My responsibilities included conducting market analysis, addressing legal and ethical aspects, and submitting our project to the Younoodle competition, all aimed at promoting sustainability and community involvement.

References available upon request.