Hanif Uddin

Software Developer

Rochester, Kent

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Portfolio | GitHub | LinkedIn

A self-motivated and persevering software developer that enjoys creating interactive user interfaces. Having enjoyed the programming aspect of my engineering degree, I bravely transitioned from mechanical to software engineering. As an engineering graduate, I developed a wide technical skillset through projects that are essential in the industry. I am dedicated to continuously learning new technologies and improving upon skills in software development, aiming to become a full-stack developer.

Technical Skills

➤ **Language**: JavaScript, using Node.js and browsers as environment
➤ **Testing**: Test Driven Development (TDD), Jest, Supertest
➤ **Back-End**: SQL, PostgreSQL, RESTful APIs, Express, seeding, migrations
➤ **Front-End**: React, React Bootstrap, HTML5, CSS3, Lighthouse, responsive-design
➤ **Version Control**: Git, GitHub
➤ **Hosting**: Cloudflare, Netlify, Render
➤ **Soft skills**: Paired-programming, technical communication, SDL, agile and SCRUM methodologies

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Projects

NC News Front-End Project - **React | JavaScript | Bootstrap | CSS**

Developed a full-stack web application that functions as a news site at Northcoders using React. The site allows users to post, delete and upvote articles and comments. Throughout this project, various components were built, combined with utilising state and context hooks, routers and the bootstrap library. This application consumes the NC News API for accessing and storing data, which was previously built for the back-end phase of the project. The website was designed with a responsive design approach and implements optimistic rendering for a seamless UI/UX experience. The app was hosted successfully using Netlify.

NC News Back-End Project - **SQL | JavaScript | PostgreSQL | Node.js | Supertest**

Developed a fully functional RESTful API that provides data for a news service at Northcoders. Throughout this project, various endpoints covering CRUD operations were set up, including parametric endpoints, database manipulation and complex queries. This application was developed through a test-driven development approach, using Supertest to assert tests on the endpoints for both successful and error paths. Ultimately, the server was hosted successfully using Render and now serves as a back-end service for its front-end application.

Robot Project - **C**

Was dedicated as the sole programmer and leader of the electronics team in a group to build an autonomous robot which followed a line and placed an envelope on a raised shelf. With C programming on an embedded system, an electronic circuit was built alongside to power the motors and produce a line following sensor, along with a built chassis to house the components. Through concise planning and direction, the tasks were completed successfully with a first-class grade.

Work Experience

Trainee Software Developer | Northcoders   March 2024 – May 2024

Description: 13-week intensive software development bootcamp which involves learning both front-end and back-end technologies in order to build full-stack application projects.

➢ Pair-Programming: Collaborated with colleagues when completing sprints. Effectively delegated tasks to colleague as a "navigator" and completed code as instructed from colleague as a "driver".
➢ Technical Communication: Translated technical project information into clear and understandable API documentation, as well as having shared complex concepts to colleagues in an intelligible manner.
➢ Adaptable: Seamlessly transitioned to adapting new technologies, methodologies and frameworks to efficiently tackle evolving project requirements and progressive industry standards.

Engineering Ambassador | Lancaster University   December 2022 – September 2023

Description: Promoting the School of Engineering to prospective students and applicants via delivering and supporting various engaging events and addressing queries proficiently.

➢ Time Management: Managing and supporting the delivery of tours and activities of the department.
➢ Teamwork: Communicated and collaborated with fellow colleagues when setting up events.
➢ Working under Pressure: Maintained composure and ensured seamless experience for guests during fast-paced events.
➢ Leadership: Delegated tasks to fellow team members and coordinated open day activities.

Warehouse Operative | Argos   August 2022 - September 2022

Description: Picking, packing, sorting, and loading orders for delivery in a fast-paced work environment.

➢ Organisation: Picked items were processed and placed in the correct area, kept the sortation area clear and clean.
➢ Communication: Shared operational updates of the facilities and allocated different tasks with other members to meet quotas efficiently.
➢ Reliable: Responsible for training new employees to perform the duties successfully.
➢ Self-motivated: Built and maintained a can-do approach during operational setbacks, being self-incentivised to take up extra duties.

Education

freeCodeCamp | Responsive Web Design Certification   July 2023 – September 2023

Immersive web development bootcamp representing 300 hours of instruction and self-taught coding.
The course involved learning the fundamental languages of webpages including HTML and CSS.
The major tasks involved building webpages via numerous projects, with a focus on responsive design.

Lancaster University | Mechanical Engineering BEng Hons   October 2020 – June 2023

Grade: First-Class
Relevant Modules: Programming Fundamentals, Instrumentation and Control, Engineering Projects

Sir Joseph Williamson's Mathematical School, Rochester | A-Levels   September 2018 – July 2020

Mathematics - A; Physics - B; Design & Technology - C

Interests

➢ I attend gym and workout at home, which has improved my physical strength and mental wellbeing. I am currently trying to perfect my handstand.
➢ I take a keen interest in tinkering with computer hardware and building PCs from scratch, having built my first one already.