Hanif Uddin
Software Developer

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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 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.