

Richard Hales

Junior Frontend Developer Profile

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- Cardiff, Wales
- Portfolio Website: <https://richiehalesportfolio.netlify.app/>

Passionate junior frontend developer eager to code and design user-friendly interfaces with developing skills in HTML, CSS, JavaScript, and jQuery. Possess problem-solving abilities, coupled with meticulous attention to detail, ensure bug-free and optimised code. Knowledge of responsive design principles, creating visually stunning websites that adapt seamlessly across various devices. Eager and quick to learn, constantly staying up to date with the latest industry trends and best practices of software development. Proven track record of delivering multiple projects within time and budget constraints. Able to efficiently translate client requirements into innovative and elegant frontend solutions with excellent communication skills.

Areas of Expertise

- Web Application Development
- Project Management
- Customer Requirement Management
- Regulatory Compliance
- Quality Assurance
- Wireframing & Prototyping
- User Experience Management
- Testing & Debugging
- Troubleshooting

Education

Bachelor of Science (Honours) Computing and IT
Open University, Expected Completion 2025

Full-Stack Engineer

Codecademy, Online, Expected Completion March 2024

Certifications

CISCO – Network Essentials, February 2024
PCEP - Certified Entry-Level Python Programmer, May 2023
Certified PROFIBUS Installer, September 2018
City and Guilds Machinery Safety Course (Pilz), September 2018
Certified PROFIBUS System Designer, September 2018
City and Guilds 17th Edition Wiring Regulations, June 2008
BTEC OND – Electrical and Electronic Engineering, July 1999

Technical Proficiencies

Python, JavaScript, HTML, CSS, React, Redux, Material UI, Node.js, Express.js, PostgreSQL, SQL

Career Experience

Control Systems, Gilwern Ind Est, NP7 OEB

1998 – Present

Project Engineer

Develop comprehensive RAMS documentation. Estimate material, construction, and labour expenses, as well as project timelines. Partner with mechanical and systems integration engineers to ensure timely and budget-conscious project completion. Maintain compliance with British and European Standards and guide electricians. Utilise a methodical approach for all assigned tasks.

Electrical Engineer

Utilised electrical CAD software to design systems that meet customer specifications. Generated proposal and final electrical/layout drawings for end users. Leveraged computer-assisted engineering and design software to enhance project efficiency. Addressed customer requirements to determine design and cost specifications. Prepared and presented detailed cost estimates to clients for project approval. Developed electrical installation, test, and commissioning procedures. Interpreted electrical design specifications and technical drawings. Ensured all electrical engineering projects designed to meet the intended purpose. Supervised third-party contractors involved in project execution. Contributed to negotiations with suppliers to procure components at optimal cost. Attended site meetings, prepared reports, and explained design concepts to clients. Provided technical support to customer engineers through email and telephone communication. Maintained a small computer server network and established remote connections to the office network.

- Provided programming expertise in PLC, HMI, and Servo operations for Mitsubishi, Siemens, and Allen Bradley equipment.
- Streamlined work procedures to enhance profitability and project completion timelines.
- Enhanced file management protocols resulting in increased profits and facilitating company expansion from a four-member team to a robust 10 members workforce (including one part-time employee) within the past five years.