

PROFESSIONAL SUMMARY

Full Stack Developer with experience in building React frontends and Node.js backends. Combines software engineering skills with quality-focused testing expertise. Currently developing custom web applications as a freelancer after gaining professional experience at DWP Digital. Seeking an interesting role where I can contribute to innovative software solutions.

PROFESSIONAL EXPERIENCE

Freelance Software Developer

October 2024 - Present

Self Employed, Remote

- Developing custom web applications for clients using React, Node.js, and PostgreSQL
- Implementing responsive design patterns and accessible UI components
- Collaborating with clients to define requirements and deliver iterative solutions
- Managing full project lifecycle from ideation through deployment and maintenance

Software Engineer

May 2023 - September 2024

Department for Work and Pensions digital (DWP digital), Manchester, UK

- Built React component test framework reducing frontend testing time by 65%
- Developed RESTful API testing suite increasing API test coverage by 80%
- Implemented security testing with OWASP ZAP in CI/CD pipelines, reducing vulnerabilities by 30%
- Created data-driven test frameworks decreasing defect detection times by 40%
- collaborated with developers on code reviews and pair programming sessions to improve code quality
- Participated in architectural design discussions, providing input on testability and maintainability

PROJECTS

Crystal Clear – Window Cleaning Service Platform

Tech stack: React, TypeScript, Supabase, PostgreSQL, SCSS | [Demo](#)

- Designed, developed, tested, and deployed a full-stack marketplace connecting homeowners with window cleaners
- Implemented booking system with quote management and payment processing
- Designed responsive interfaces for both service providers and customers

FaceTrace – Face Recognition Application

Tech stack: HTML, CSS, JavaScript, React, Node.js, PostgreSQL | [Demo](#)

- Designed, developed, tested, and deployed an app that leverages Clarifai's face recognition AI API to spot faces in photos.
- Implemented Continuous integration and continuous deployment.

Portfolio Website

Tech stack: HTML, CSS, JavaScript, React | [Demo](#)

- Created a personal portfolio website to showcase projects, utilising **CSS animations** for enhanced UX.

RoamMates – Social Media Web App | [Demo](#)

Tech stack: HTML, CSS, JavaScript, React, Python, PostgreSQL

- Designed, developed, and tested a fully functional web app.
- Emphasised a testable structure and user-friendly design.
- Led the test team and created test cases, executed test plans, and tracked/reported bugs using Trello.
- Wrote end-to-end automated test scripts and integrated them into a CI/CD GitHub pipeline.
- Attended and led daily dev-test standups

MakersBnB – Full Stack Web Application

Tech stack: HTML, CSS, JavaScript, React, Python, PostgreSQL

- Developed an **Airbnb clone** with a focus on both front-end and back-end functionality.
- Followed **TDD** principles using **Pytest** and implemented **PostgreSQL** for data management.
- Implemented **JWT**-based authentication and authorisation to ensure secure user sessions.
- Optimised server performance to handle concurrent users effectively.

EDUCATION

Zero to Mastery Web Development Course

August 2024 – October 2024

- Gained hands-on experience in **HTML, CSS, JavaScript, React, Node.js**, and **API** development.
- Built responsive web applications and integrated **RESTful APIs** into full-stack projects.

Makers Academy Software Engineer Bootcamp

September 2023 – January 2024

- Built fully functioning CRUD web applications from scratch as part of a team and gained experience in all parts of the SDLC.
- Focused on software engineering principles, **Git**, **TDD**, and **CI/CD**.
- Specialised in **Pytest** and **Jest** for test-driven development (TDD) and used **Selenium** for browser automation testing.

BSc Biological Science | University of Leicester | 2:1

September 2019 – July 2022

- Applied **R** programming to model biological concepts and analyse large data groups.
- Self-taught **Python, Swift, HTML**, and **CSS** alongside degree studies, applying skills to coursework and projects.

SKILLSET

- **Languages:** JavaScript, Python, Java, TypeScript
- **Development:** HTML, CSS, React, Node.js, Express.js, Spring Boot, Django, Flask
- **Databases:** PostgreSQL, MongoDB, Supabase, Firebase
- **APIs:** RESTful APIs design and development
- **Testing Tools:** Selenium, Pytest, Postman, RESTAssured, Jest, Playwright, JMeter
- **DevOps:** Docker, Git, GitHub Actions, Jenkins, CI/CD, JIRA
- **Methodologies:** Agile, Scrum, TDD, BDD
- **Soft Skills:** Problem-solving, Attention to detail, Adaptability, Cross-functional communication