

# Nasrin Sultana

## Junior Software Developer

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### Profile

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Software Developer with a focus on JavaScript (React, Node.js) and Python, passionate about creating meaningful, user-centred solutions. I thrive in collaborative environments and enjoy building tools that make a real impact. Trained in full-stack development, I'm now looking to deepen my experience across both frontend and backend technologies.

### Skills

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**Tech Skills** (Unit testing | Playwright | Javascript | HTML | CSS | React | PostgreSQL | User Centred Design | End-to-end testing | Node.js | Agile framework | Chrome DevTools | Testing | Debugging | Express | RESTful APIs | Typescript | Next.js | Test-driven Development | Docker | CI/CD | Supertest | Supabase )

### Experience

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11/2024 – 03/2025  
Remote

#### **Junior Full Stack Software Developer, School of Code**

Selected from over 2,500 applicants for a highly selective, intensive coding bootcamp focused on agile development, team collaboration, and real-world problem-solving.

- **Clear and confident communicator**, experienced in working collaboratively within **agile teams** through **sprints** and **pair programming**.
- Skilled at working **independently** on tickets, conducting **code reviews**, and managing time to meet deadlines.
- Built **full-stack web applications** using JavaScript, React, TypeScript, Node.js, and PostgreSQL, focusing on **clean, well-documented code** and **developer-friendly APIs**.
- Passionate about **continuous learning**; self-taught Python and completed a FutureLearn course on **UX and accessibility**.
- **Test-driven development mindset**, writing **unit tests** with Vitest and **end-to-end tests** with Playwright to ensure **high-quality user experiences**.
- Strong **problem-solving skills** and **attention to detail**; able to identify and resolve **design and accessibility issues** early.
- Proficient with **Git version control** and **collaborative workflows**.
- Experience with **DevOps tools and practices** including **CodeQL**, **Dependabot**, and **deployment** using Vercel.
- Highly **self-motivated** and **organised**, able to **multi-task** and work **independently**.
- Enthusiastic about adopting new technologies and contributing **innovative ideas** to improve **quality and efficiency**.

09/2023 – 07/2024

#### **Teacher of English, Small Heath Leadership Academy**

- Collaborated with colleagues to improve student learning by using assessment data to guide and refine teaching strategies.
- Broke down complex concepts into clear, manageable steps, helping students fully understand and retain key knowledge.
- Managed a classroom of 30 high-achieving students, ensuring timely curriculum delivery and assessments while maintaining an agile approach.

## Projects

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### ShelfLife - Next.js | CSS | Playwright | Typescript | PostgreSQL | Node.js | Vercel | Supabase [↗](#)

- A web application designed to help users reduce food waste through smart ingredient tracking and **AI-powered recipe suggestions**. Promotes sustainable consumption by alerting users about upcoming expiry dates and organising ingredients into intuitive categories.
- Collaborated in a **team of six** in an **agile environment**, contributing to sprint planning, team retros, and collaborative coding to ensure MVP delivery on time.
- Personally responsible for the **frontend**, **DevOps**, and **end-to-end testing** using **Playwright**, ensuring a smooth and bug-free user experience.
- **Led the team as Project Manager** during the final presentation, coordinating the live demo and presenting the product to an audience of **100+ industry professionals and mentors**.
- Designed with a **user-centred mindset**, focusing on accessibility, usability, and encouraging sustainable habits through tech-enabled solutions.

### Quiz App - React | CSS | HTML [↗](#)

- Developed a **React-based quiz app** to test students' knowledge of Shakespeare's Macbeth, designed to engage young learners with immediate feedback and score tracking.
- Integrated **CodeQL** and **Dependabot** for robust **DevOps** practices, ensuring code quality and security.
- Implemented **end-to-end testing** using **Playwright**, ensuring smooth user experience and reliability.
- Focused on creating an **interactive and educational** tool to enhance students' learning and engagement with classic literature.

### RESTful API Inspirational Taylor Swift Quotes - Javascript | HTML | Postman

- Developed a **RESTful API** with full CRUD functionality as part of a Hackathon project, using **Postman** for **testing** and documentation, while keeping an agile approach.
- **Collaborated** in a team of three, applying the driver-navigator **pair programming** technique and adapting to changing requirements.
- Inspirational Taylor Swift quotes stored in JSON format for easy retrieval.

## Education

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09/2022 – 06/2023	<b>Postgraduate Certificate Secondary Education (QTS) - English</b>
09/2019 – 06/2022	<b>BA English and Creative Writing</b>