

Hafsa Rana

Junior Software Developer

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PERSONAL STATEMENT

Curious, high achiever, product-focused thinker who enjoys making informed tradeoffs to achieve value.

Looking to apply my full stack experience in new domains and go above and beyond.

TECHNICAL SKILLS

Languages: JavaScript (full stack), TypeScript

Testing: TDD, Jest, Supertest

Back-end: Node.js, Express.js, SQL, PSQL, seeding

Front-end: HTML, CSS, Chrome DevTools, React, React Native

Accessibility: Lighthouse

Hosting: Netlify, Supabase, Render

Other: Pair programming, SDL (self-directed learning), Agile (Scrum/Kanban)

PROJECTS

[NC News API](#) | Built a RESTful, non-blocking backend with modular, scalable endpoints.

Supports filtering, sorting, and pagination via query params.

Node.js, Express, PostgreSQL, TDD (Jest and Supertest), hosted on Supabase and Render.

[Northcoders News](#) | Built an accessible web application that consumes the above API. Users can browse, sort, and interact with news articles via votes and comments.

Dark/light mode, contextual login redirects, content sharing, responsive styling. Focus on intuitive UX.

React, CSS, Chrome DevTools, Lighthouse, optimistic rendering, deployed on Netlify.

[Rescue Me](#) (Group Project) | Developed a mobile application where users care for a virtual pet and interact with it in AR.

Real-time UI updates, consistent UX supported by informative modals. Designed for future integration with real-time services.

React Native, TypeScript, Viro React, Android Studio, Agile (Scrum/Kanban).

PROFESSIONAL DEVELOPMENT

Junior Software Developer | Northcoders Software Development Bootcamp | Dec 2024 - March 2025

Intensive remote program covering full-stack development, version control, debugging, and software best practices.

- Tackled complex technical challenges in solo and group projects, demonstrating proficiency in debugging, implementing creative solutions, and optimisation.
- Daily pair programming.

- Applied TDD (Test Driven Development) principles, developed unit and integration tests using Jest for reliable, maintainable code.
- Familiarised with Git version control including merging, branching, minimising conflicts and reviewing PRs to deliver features quickly in parallel.
- Applied Agile workflows with sprints, stand-ups, and tools like Trello to manage tasks, prioritise features, and adapt to feedback.

EXPERIENCE

Private tutor | Self Employed | June 2019 - Present

Individual and group tutoring up to A Level/foundation year, online and in-person. I believe this experience helped me develop adaptable communication and collaboration skills with strong carryover to team-based environments.

- Tailored educational content to meet individual learning needs.
- Developed and implemented lesson plans with clear objectives.
- Fostered critical thinking and problem-solving skills.
- Communicated complex concepts creatively.

EDUCATION

A Levels: Four A*, One A

Whalley Range Sixth Form | September 2017 - June 2019

Maths, Chemistry, Biology, Psychology, Further Maths (self-studied)

Gold awards in national RSC Chemistry Olympiad and Biology Intermediate Olympiad

GCSEs: Two 9, One 8, Seven A*

Manchester Islamic High School for Girls | September 2012 - June 2017

Self-studied **Level 2** Further Maths and achieved **A* with distinction**

Gold award and **three silver awards** in national UKMT Junior and Intermediate Maths Challenges

INTERESTS

Psychology and linguistics. Multiple wins in Quran competitions and charity art contests, including a painting that sold for £350.