

Adam Roberts

Junior Software Developer

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Personal Statement

I am eager to enter a team as a Junior Software Developer to craft outstanding software. In only 13 weeks I learnt front-end, back-end, and mobile app development. This was during my time in Northcoders, the top development bootcamp in the UK, where I built complete projects in each field. The technologies I learnt include the industry cornerstones JavaScript, HTML/CSS and React.js.

I want to continue mastering software development because of its versatility and its influence in our world; it spans everything from medical utilities to start-ups' websites. In this industry I can develop as a programmer and as a person; I find the craft versatile, interesting, and I see it enduring my entire career.

With an open mind, I like to learn from everyone, and enjoy nailing details in technical work. I have strong soft skills from hospitality-work and languages study, and I'm eager to kickstart my programming career in an excellent company.

Technical Skills

Languages: Javascript (JS) (Node.js / Browser environment)

Testing: Test Driven Development (TDD), Jest, Supertest

Back-end: PSQL, seeding migrations, Postgres (pg), Express, Axios, Firebase, APIs

Front-end: HTML, CSS, React.js, Wave, SvelteKit, Preact.js, React Native

Hosting: Shared hosting, Netlify, Elephant SQL, Render, Continuous Integration/Continuous Development (CI/CD)

Other: Pair programming, technical communication, SDL, Agile and Scrum methodologies, command line, reading/writing documentation, Object Oriented Programming (OOP), Functional Programming, git, git branching, GitHub, error handling, version-control, MVC model, AI for personal productivity

Projects

[Portfolio Website](#) – Site built with SvelteKit, CSS, JavaScript

[NC News Backend API](#) – A back-end API comprised of different endpoints to serve data from a Postgres database

[NC News App](#) – The front-end of a website built off the NC-NEWS server

[Travelog Mobile App](#) – A mobile app build with React Native and Firebase

Professional Experience

Web Content Assistant | la rotonde du monde | May 2024 (3 days)

- Assisted an independent web designer with translating and populating web pages into a WordPress site
- Gained exposure to her content management system and web design workflow
- Remote/virtual team experience

Junior Software Developer | Northcoders | January 2024 – April 2024

- I learned **sound fundamental skills in Javascript** (JS): to write pure functions; to employ OOP using classes, constructors and private properties; and to test code using Jest. I further transferred these skills into web-projects (HTML and CSS)
- Regarding **back-end development**, I learned to use the Model View Controller (MVC) structure; to use PostgreSQL for creating, seeding and accessing local databases, using foreign keys, joins, aggregate functions, and dynamic queries; to integrate PostgreSQL inside a JS app, including testing and error handling; and to host an API online with separate development/production databases
- For **front-end development**, I learned web-accessibility using the browser plugin 'Wave'; to use React's 'state' module in components to compose dynamic applications; to use React's 'useEffect' for visualising data; to use React's 'Routes' in order to display different webpages in a single React app; and to use React's 'context' for better-organised code when passing around different properties and 'states'

- All the while I exercised good **social and teamwork skills** in pair-programming, and used problem-solving tools like pseudo-code, diagrams and planning to control the process, as well as documentation for learning and referencing, in a remote/virtual environment

Various customer service roles | October 2023 – November 2024

- Clear communication: resolving queries and complaints, setting expectations, and maintaining satisfaction
- Handling communication between multiple parties, maintaining transparency and trust
- Time management: dispatching orders on time; fulfilling roles where needed

Career break | April 2023 – October 2023

Various hospitality roles | November 2022 – April 2023

- Efficient team-work within a small team (6-9 people / 3-5 people)
- Resilience on long shifts, up to 12 hours
- Handling customers, knowing basic first aid, and health and safety

Education

Brighton Hove and Sussex Sixth Form College | A-Levels | June 2022

Mathematics	- A
English Lit-Lan	- A
Spanish	- A

Varndean School | GCSEs | June 2020

Chemistry, Mathematics	- 9
Biology, English Lit, Physics, Spanish	- 8
English Lan, History	- 7
Art and Design	- 6

Hobbies & Interests

Arabic – I'm starting to learn grammar / conversational Arabic

Sports – Boxing and football; I used to do Thai Boxing, so regular boxing is an interesting change-up. Myself and some friends go out sometimes for football, and I want to become more regular with boxing

Food/Cooking – After a couple of friends cooked some delicious food, I've decided I needed to start learning more interesting dishes

AI – I'm fascinated by AI and the possibilities it offers for improving personal and professional workflows. To continuously expand my knowledge, I am updating myself through TLDR's AI newsletter and I am watching lectures, for example on best prompting procedures, AI for web developers and AI for personal productivity. I also want to learn about developing AI. I plan to soon take courses in this field