

MATTHEW JOHNSTON

Junior Software Developer

I have always been intrigued by technology, from building my first desktop at the age of ten, immersing myself in the world of digital e-sports, to developing and practically applying tech literacy in both academic and workplace settings. It feels natural to follow a career in an industry that has been both an inherent and pivotal part of my life. With employment experience in various sectors, I have proven the ability to be flexible and adaptable in different working environments. However, until now, there has never been the opportunity to follow my desired career path. Being a personable, social guy, I look forward to embracing the challenges presented by a position in software development.

PROFESSIONAL DEVELOPMENT

Northcoders, Manchester — Trainee Full Stack Developer

APRIL 2024 - JULY 2024

At Northcoders, I completed an intensive bootcamp, where I developed both front-end and back-end skills, culminating in a Full-Stack group project. I gained proficiency in JavaScript, Node.js, and Express.js, along with comprehensive knowledge of SQL and PostgreSQL for back-end development, as well as knowledge of noSQL databases like MongoDB. My Front-End expertise includes HTML, CSS, and advanced React/React-Native concepts. The curriculum also emphasised best practices like pair programming, OOP principles, testing, and CI/CD, equipping me with a solid foundation in modern web development and collaborative project work.

chatPFQ, Full-Stack — Northcoders

React, React-Native, Vite, HTML, CSS, Netlify, Render, mongoDB, Socket.IO, Wink, Natural.js, Chart.js, faker.js, BCrypt, Expo, Jest, Axios, JavaScript, Node.js

Repo link (React Native App): <https://github.com/rambatinoo/chat-pfq-native-app>

Repo link (React Web App): <https://github.com/mji677/chat-pfq-web-app>

Repo link (Express/Socket.IO server): <https://github.com/mji677/chat-pfq-server>

In just 8 days, I developed a versatile real-time chat application tailored for restaurant use, but adaptable for any customer service context. I utilised React Native for the mobile app and ensured secure user authentication with hashed and salted passwords stored in a MongoDB database. I built an Express.js and Socket.io server to facilitate bi-directional message communication between the mobile app and a web-based admin portal. Integrated ML models for categorising messages and performing sentiment analysis using Natural.js. Designed an admin dashboard to visualise metrics, filter messages by category, and manage user interactions, complete with a fully functional light/dark mode. This project highlights my ability to integrate front-end and back-end technologies effectively, ensuring a seamless user experience.

Northitt, Front-End — Northcoders

React, Vite, HTML, CSS & Netlify

Hosted link: <https://northitt.netlify.app/>

Repo link: <https://github.com/mji677/nc-news-fe>

During this project, I developed a Reddit-style forum site that interfaces with my custom back-end API. I gained extensive experience in building dynamic and responsive user interfaces using React. This involved creating components, managing application state, and implementing asynchronous actions. I also honed my skills in CSS for styling and ensuring a seamless user experience across different devices. This project deepened my knowledge of full-stack development, showcasing my ability to integrate front-end and back-end technologies effectively.

The News API, Back-End — Northcoders

PostgreSQL, Node.js, Express.js, Supabase and Render.

Hosted link: <https://matt-nc-news.onrender.com/api>

Repo link: <https://github.com/mji677/nc-news>

During this project, I gained a deeper understanding of how to build and manage RESTful API's, particularly; creating and securing endpoints with Node.js and Express.js. I developed my skills in database design and management using PSQL and learnt how to deploy and host my application too. Additionally, I improved my ability to handle complex queries and optimise my API's performance.

PROFESSIONAL EXPERIENCE

Delta by Marriott, Manchester Airport — Events & Banqueting Associate

JUNE 2022 - APRIL 2024

During my time working for Marriott I took on a number of roles throughout the hotel, requiring me to operate, on my own merit, within a wide range of areas. My work here taught me how to organise members of my own team and maintain clear, constant communication.

Waitrose & Partners, Altrincham — Replenishment & Fulfilment Partner

AUGUST 2020 - MARCH 2022

This role included; assisting customers as required, maintaining the appearance of the store's interior and exterior, receiving shipments in a timely manner and ticketing merchandise in preparation to be received on the sales floor. As I progressed here, I was responsible for scheduling the routes of a small fleet of delivery drivers and ensuring an accurate inventory count was maintained.

theCAVE Architecture & Design, Wilmslow — Apprentice / Full-time CAD Technician

SEPTEMBER 2019 - APRIL 2020

Starting as a work experience trainee at age 15, during my GCSE studies, I eventually joined the business full-time upon completion of my A-Levels. Working in a small team of 6, I was responsible for the production of floor plans and drawings for building regulations in relation to private dwellings and commercial projects. This was a client facing role, which required presentation of concept work to clients.

John Lewis Partnership, Trafford — Sales Assistant

NOVEMBER 2017 - AUGUST 2020

Working across the shop floor at John lewis' flagship Trafford Centre store, I was primarily employed as a Sales Assistant, but developed beyond this role into other departments, gaining skills and knowledge in relation to a range of products and services.

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TECH STACK

LANGUAGES

. JavaScript

(Node.js & In-Browser
Environments)

FRONT-END

- HTML

- CSS

- React

- React Native

- Lighthouse

- Other accessibility tool(s)

BACK-END

- SQL

- PSQL

- mongoDB

- Socket.IO

- Seeding

- Migrations

TESTING

- Test Driven Development
(TDD)

- Jest

- Supertest

HOSTING

- Render

- Netlify

SOFT SKILLS

- Paired Programming

- Technical Communication

- Self directed learning

[SDL]

- Agile & SCRUM

methodologies

EDUCATION

- RIBA Part One Certificate
in Architecture

Oxford Brookes University

- 3 A-Levels

St Ambrose College

- 10 GCSE's

St Ambrose College