

Tom O'Neill



Software Developer

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Personal Statement

Software developer with a background in Chemistry and recruitment, I offer technical proficiency and a unique blend of problem-solving skills. Graduating from the intensive Northcoders software development bootcamp, I excelled in building full-stack web and mobile applications with JavaScript, React, PostgreSQL and more. I have experience working with agile methodologies and gained expertise using version control with git. I use my problem-solving skills to break down complex challenges, and I am committed to producing high-quality code that is both testable and reusable.

My master's degree and professional experience in synthetic chemistry enhanced my analytical thinking capabilities through conducting complex experiments independently for research projects. Coupled with my background in recruitment, I have developed my exceptional interpersonal and communication skills. This played a vital role for successful pair programming, as I can bring a sense of humour and easily build relationships with people. I am excited to contribute my skills to a dynamic development team and drive successful software projects.

Technical Skills

Languages: JavaScript, TypeScript

Front end: React, React Native, HTML, CSS, Axios, Tailwind, Expo

Back end: Node.js, Express, PostgreSQL, Jest, Supertest, Firebase, SQL

Experience

Junior Software Developer, Northcoders, Manchester

Mar 2023 - Jun 2023

Northcoders stands as an industry-leading, full-stack JavaScript bootcamp renowned for its emphasis on practical learning. I acquired comprehensive skills in app and web development, as well as industry-best practices such as Test-Driven Development, Agile Methodologies and Version Control with Git and GitHub. Some projects I have built during and after the course include:

Portfolio Website:

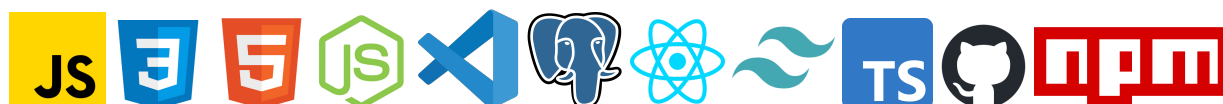
- Developed using React and TailwindCSS, I incorporated a responsive design to enable accessibility on both mobile and desktop screens. This introduced a novel challenge, requiring me to grasp coding with various breakpoints.
- Additional features include a toggleable light or dark mode, a hamburger menu and smooth scrolling.
- Hosted at: tomoneill.tech/

Love Birds:

- Collaborated with a team to develop the mobile application 'Love Birds' targeted at users in long distance relationships to stay connected in a different way.
- Led daily stand-ups, created Kanban tickets, drew in depth wire frames and component trees throughout the project lifecycle.
- Spiked technologies before building the app with React Native, TypeScript, Tailwind and Firebase.
- Coded features including nested navigation, login/logout authentication and the snake game which was built with state, gesture handlers and coordinates.
- Link: github.com/Tomoneill98/Final-Project-Love-Birds-App Demo: [Love Birds](#)

Tip Calculator:

- Created a web application for splitting the bill easily when out for meals with friends. This application was built using React and features a visually appealing user interface, designed with vanilla CSS.
- Hosted at: <https://toms-tip-calculator.netlify.app/>



Readdit News:

- Deployed a full-stack web app where users can review news articles about various topics. Implemented optimistic rendering so users can post comments to the articles as well as vote on them and log into user profiles. The website was created with React, Axios, Node.js and CSS.
- In the back-end, I used the MVC architectural pattern and asynchronous coding to build a restful API. The API handles news article data and comments that are stored relationally in a PostgreSQL database. This was built using also Express, Supertest, Jest, Dotenv and Node.js.
- Front-end: [Frontend-Project-Readdit-News](#) Back-end: [Backend-Project-Readdit-News.git](#)
- Hosted at: [tom-readdit.netlify.app/](#)

Account Consultant, SRG, Salford Quays

Apr 2021 - Jan 2023

- During my tenure with the National Accounts and the GSK Early Talent teams within SRG, I managed several of the largest accounts within the pharmaceutical sector including Pfizer and AstraZeneca. I was the primary liaison between hiring managers and candidates and built strong relationships with both parties.
- Matched talented professionals with rewarding opportunities which aligned with their skill sets. I organised regular client update meetings, fostering an open communication and ensured thorough understanding of client needs and preferences.

Synthetic Chemist, Bachem, St Helens

Aug 2020 - Mar 2021

- Planned and executed extensive synthesis experiments on an industrial scale where I maintained impeccable documentation and met stringent time deadlines to manufacture peptides and complex organic molecules for the global pharmaceutical market.

Education

MChem with Study Abroad (2:1), University of Leeds

Sep 2016 - Jun 2020

- My final masters research project was at the interface of chemistry and biology. It involved the design and synthesis of reactive peptides and studying their interaction with proteins. I independently planned and executed a series of experiments, showcasing my research capabilities. I carried out solid phase peptide synthesis before engineering recombinant proteins for analysis.
- For my third-year research project that took place in Australia, I delved into the environmental impact of waste products in industrial plants. Through laboratory analysis, I proposed sustainable and cost-effective alternatives. Furthermore, outside of university I travelled up the east coast of Australia, explored both islands of New Zealand on the Kiwi bus and visited Bali also.

St Ambrose College, Hale Barns, Cheshire

Sep 2009 - Jun 2016

- A Levels: Biology (A), Chemistry (A), English Language & Literature (A), AS Level: Economics (B)
- GCSE's: 2 (A*), 5 (A), 2 (B) including Mathematics and English

Key Employability Skills

Management: Planned and ran large-scale events for ChemSoc including the summer and winter balls.

Communication: Mastered clear communication in my recruitment role, consistently interacting with clients and candidates to uphold these relationships.

Team Member: Experienced in collaborative teamwork on professional projects, some that included the use of git and version control. I recognise the significance of patience and empathy for effective teamwork.

Problem Solving: Demonstrated in my chemistry research projects and applied more recently to complex coding tasks.

Independent Learning: Continuously seeking to acquire new skills and technologies. I recently learnt TypeScript, Tailwind, and Firebase, through online courses and tutorials.

Hobbies

- When i'm in the city you'll usually find me meeting up with friends over brunch and thrift shopping. Otherwise, I often head out to the peak district for a good hiking day and to visit the picturesque villages. Alternatively, I'll spend the weekend camping by the beach on the island of Anglesey in Wales.
- I enjoy enhancing my Spanish proficiency by attending language practice meetups with the Manchester Intercambio group. I regularly visit Spain, with my favourite places being Barcelona, Seville, Cadiz and the Costa del Sol.