

Liam Tomlinson

Software Engineer & UX Designer

[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Personal Statement

Through my career, I've had a deep interest in how businesses navigate challenges and enhance their services by leveraging software development. I derive immense satisfaction from the ability to construct and implement highly customisable solutions, to solve these challenges. This has motivated me to pursue a career in software engineering. I am confident that my experience working with Northcoders to develop full-stack applications, coupled with transferable skills from my previous roles in IT & aviation positions me well for a role as a full stack software engineer.

Technical Skills

Languages: JavaScript using Node.js and browsers as environment, HTML, CSS, REACT, C# .NET.
Testing: Test Driven development (TDD) using Jest and Supertest.
Back-end: SQL, PostgreSQL, seeding, migrations, Express.
Hosting: Cloudflare, Netlify.
Software: VS code, Insomnia, Figma, Adobe XD, LAN desk, Ultra VNC viewer, Windows Server manager, Microsoft Azure, Windows AD, Cisco Meraki, Git, Trello.
Soft Skills: paired programming, technical communication, SDL, agile and SCRUM methodologies, IT technical support, UI / UX design.

Professional Experience

Software Engineer, Ocean Genesis

May 2024 - Present

Leading the design, development and architecture of a full stack product which includes a React Website on the front end, an Express Server (written in Node.js) on the backend and IOT hardware. Line management responsibilities for two software engineers and a CAD / product design specialist. Communicating with both technical and non technical stake holders to ensure the product is meeting the businesses and customers needs.

IT Service Desk Analyst, Pets at Home

June 2022 – May 2024

Responding to IT incidents and service requests across the business via inbound calls, emails and tickets. Working to fix a variety of IT faults spanning networking, EPOS, telephones, printers & more. Triaging and logging out complex tickets to the correct 3rd line IT support teams & 3rd parties in accordance with ITIL processes. Contributing towards knowledge-based articles and training junior colleagues. Responsible emergency first aider for site.

Trainee Full Stack Software Engineer, Northcoders

Nov 2023 – March 2024

Northcoders is a 13-week intensive coding boot camp aimed at boosting attendees' skills to the level of a full stack junior software developer. Employing the test-driven development approach, I crafted and hosted two full stack projects. Utilising DOM, HTML, and CSS, along with React for the frontend, and employing Node.js, PostgreSQL, and Express for the backend.

Tech Support Agent, BT

Sept 2021 - Jun 2022

Communicating with customers via inbound and outbound calls, optimising WIFI access points, investigating and logging PSTN, VOIP, and FTTC faults.

Aviation Security Officer, MAG

May 2019 - Dec 2020

Carrying out security checks on passengers and flight staff including access control, bag searches,

ETD tests, X-ray screening cabin baggage, body searches and the operation of wave scanners.
Conducting security patrols and working with UKBF to guard / escort and screen firearms for export.

Airport Security Ambassador, MAG

Oct 2018 - May 2019

Loading X-ray machines, preparing nervous passengers for security, escorting foreign cabin crew to gate, tidying security lanes and directing queues.

Projects

FullStack Calculation software

[HostedProject](#) [MoreInfo](#)

I have worked to design and build a full stack application which includes a react front end and a restful API using node.js and React. The software also calls third party API's including Stripe as a payment gateway and Brevo to send automated emails. I have also integrated firebase auth for authentication and Supabase SQL database. Repo's available on request.

Coffee shop loyalty scheme mobile app

[Front End GitHub Repo](#) [Back End GitHub Repo](#) [Walkthrough video](#)

I have worked in a team of 6 people to develop an app using Typescript and React Native, which allows users to gain loyalty awards for buying coffee with local independent coffee shops. I worked to create a user profile page displaying customers previous orders and loyalty points in a progress bar. I have also played a key role in planning the app alongside organising daily stand-up meetings.

User Interface for social news website with Restful API (backend)

[Backend GitHub Repo](#) [Frontend GitHub Repo](#) [More Info](#)

During my time at Northcoders, I have built a backend restful API with Node.js, PostgreSQL and express. The API is designed to handle all the data queries for a social news website and includes 13 endpoints covering GET, PATCH, POST and DELETE HTTP requests. It was built using the MVC design pattern as well as the TDD methodology and contains a comprehensive unit testing suite using Jest and Supertest. This is also paired with a React UI on the front end.

Education

A Levels, Clarendon College

Sept 2015 - June 2017

Geography (C), Business studies (B) and IT (B). AS Level in Accountancy (C).

GCSE's, All Saints School

Sept 2011 - June 2015

10 GCSE's A*- C including English Language(C) and Mathematics(B).

Interests and Voluntary

Volunteer, Mencap

Volunteered with a mental health charity in Denton, where I helped individuals with learning difficulties develop. This included teaching them how to cook and use IT equipment.

Hiking / Walking

Enjoying weekend walks in the Peak District, particularly around Kinder Scout and areas surrounding Heyfield. Additionally, I've climbed Snowdon.

Sailing

I have got a level 2 RYA dingy sailing certificate and have taken part in dinghy races at my local sailing club. I have also capsized and recovered dinghies.