

Louis Thompson



Profile

Motivated and passionate with over 4 years of progressive experience in the software engineering industry. Offering skill in ASP. Net, Front end, and API integration, with an aptitude in C#. An energetic self-starter and doer who is able to navigate high-stress situations and achieve goals in the required time.

Software Developer

42R ▪ Manchester ▪ Manchester, England

June 2023 - Present

Here I worked on a number of projects. Firstly, the more traditional client work. Which involved code optimization, ad services and a fast-paced push for features. Direct communication with clients and service providers was critical. Here is a brief overview of the two clients I have worked on.

Programming Skills

C# - ■■■■■■

ASP.Net - ■■■■■■

Python- ■■■■■■

SQL - ■■■■■■

Xamarin Forms - ■■■■■■

HTML, CSS, JS - ■■■■■■

Azure Cloud Services -

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Agile Work Methodology -

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API Integration & Handling -

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Test Automation - ■■■■■■

QA/Software Testing -

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Database management -

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Operating Systems

Linux - ■■■■■■

Windows - ■■■■■■

Mac OS - ■■■■■■

N4G

Ad Services ▪ Multi-Language Code Bases ▪
New Features & Code Optimization

Salix

Chat Bot Service (Microsoft Bot SDK) ▪ Setting
Up Azure Services (Logic apps, Message
Queues) ▪ Full Refactoring Of Existing Code
Base

But by far the most exciting and interesting
project I have worked on was the Dynamic
Crawler. To summaries, It was a web scraping
service that could take in links for any company
and dynamically & accurately scrape their job
postings through a series of methods. It would
do this on a schedule, twice a day, and would
present the results in a front end dashboard.
With the option to configure settings ect.

Dynamic Crawler

React App ▪ Azure Logic App ▪ Azure Function
App ▪ Cosmos Db ▪ Umbraco CMS & Front end
▪ Selenium Web Driver ▪ TDD Unit Testing ▪
Detailed Performance Planning ▪ Project
Planning ▪ System Configuration & Planning

On this project I was given full reign in all
aspects of the development. From getting the
clients requirements with full system,
performance and service diagrams to
'productionising' the product with front end and
back-end services. I touched on every aspect
of a software product's life cycle as it was only
me who had worked on it.

To summarize my time spent working here.
Working for a start-up has allowed me to gain
independence and a skill set that is hard to
acquire in larger enterprises. It allowed me to
step out of my comfort zone and take on a
challenge that I know will aid tremendously in
my career development.

AWARDS

**Computer Science A-Level -
Pass**

Theology A Level - C

Business A-level - Pass

**BCS Software development
level 3 Apprenticeship - pass.**

LANGUAGES

Spoken- English.

Written Language's - C#, C-
Based - (Selenium, Razor)
Python, HTML, CSS, JS.

Junior Software Developer

Cantarus ltd ▪ Manchester ▪ Manchester, England

March 2022 – June 2023

In my time spent at Cantarus. I was able to begin to specialize my skill sets. With a large emphasis on front end, sass, js, hbs and markup experience. Although during my time here, I was also placed on more OOP middleware projects such as single sign on and standard .NET web Api's. This was to utilize my previous experience at Pilot group limited.

I spent most of my time developing with a product called discourse. Here I mostly worked independently. Joining other teams when I was developing middleware or using our integrations. Due to the nature of the product I was developing on, a big emphasis and importance was placed on reusable and resilient code. Usually in the form of Components. The Components needed to be developed to accommodate for a multitude of clients and significant changes as the core product evolved. KISS and YANGNI Principles were paramount here.

Cantarus Projects

Discourse Meta:

Discourse is an open-source platform, much like reddit and stack overflow. That offers a base forum built in ruby, that can be heavily adapted and customizable. Here, I mostly

worked with front end technologies such as Sass(scss), handlebars, js and markup. But I also spent time on their integrations to apps through creation of middleware and SSO authentication. With clients such as NHS, IMI, Royal college of Ophthalmologists(RCOPTH), Confederation of British Industry(CBI) and many more.

API & SSO Intergration:

I was task with creating a single sign on middleware Intergrations. As well as .NET web Api's for Umbraco, Memconnect and discourse meta systems.

Full Stack Junior Software Developer

Pilot Group ▪ Manchester ▪ Greater Manchester, England

September 2021 - March 2022

This role had me working in a full stack dev environment. During my short time here, I have been tasked in adding to angular front-end applications, creating API endpoints whilst also dealing with the back-end SQL and databases.

However, I mostly worked independently as myself and one other contractor were the only software developers in the company. Which negatively impacted my career growth as an entry level junior developer. Therefore, the right move was to move on.

Pilot Group Projects

3rd Party Data Mining

In this interesting project. I was tasked in finding a way to scrape data off of competitors public facing websites. Using identifier keys within an automated script. It would then de-serialize the results appropriately to be stored in a number of tables. SQL sorted procedures could then be used to sort the data for company use

Graduate Test Automator

BEP ▪ Manchester ▪ Greater Manchester, England

October 2020 - September 2021

BEP are a leading mortgage & lender systems provider. BEP creates software that takes a mortgage from the point of enquiry, right the way to completion, connecting brokers, lenders, solicitors and more.

During my short time in BEP, I have been tasked in creating the test automation framework for one of their largest projects. Here I was the sole automation tester and had the freedom to approach and introduce new ideas, which boosted my code competency as well as confidence.

I joined at a time when BEP had just decided to shift towards automation to test their systems. Alongside a new junior and senior engineer. We set out to create a core understanding of what automation should do and how it should be developed. Since the core automation code could be ran and modified on all of our clients.

Here I learned some valuable communication and collaboration skills. Which weren't just limited to the other test engineers.

BEP Projects

CHL Mortgages:

CHL was one of my bigger projects. I was given a base automation script that would work on the base product we would sell to our clients. Here I independently created the bespoke automation project from start to finish. Working with different web drivers and data sets were crucial in our Quality assurance process.

Software Engineer Graduate

Dootrix ▪ Manchester ▪ Greater Manchester, England

October 2018 - October 2020

Software Engineering experience

During my time as an apprentice, I took on an active role in the QA and software testing team. As a Gold Microsoft member, Dootrix pride themselves in the quality of their software. I had the pleasure of being part of the highly regarded QA team. I have provided quality assurance and software testing to a variety of different clients. From the public sector HR and Insurance firms. To a private sector Police induction app and being a QA lead in Heathrow's Incident Report Management System.

Dootrix Projects

Heathrow's Incident report management System— *Software Tester and QA Lead*

This was an internal project which tracked the apprentices on the Dootrix program. It would track their location, their Availability and their up-and-coming courses. Here I learned vital skills over the full stack development of ASP.MVC web apps. I had experience using local environments for offline use such as Mock Databases and web servers. I had exposure to the API and integrated it into the front-end using C#'s Razor and HTML,CSS,JS. Web services such as Azure were used to manage the database.

Apprentice Tracker— Front end, *Xamarin forms*

This was a media recommendation app in which a user who was subscribed to the B2B tenant will be able to recommend books, Movies, Music and Music Albums to each other. They can leave a review and other users can comment on their recommendation. The Search happens in an app using an API that takes the 3 public API's from Spotify, IMDb ect. I focused on creating a Xamarin forms app using the skills I have learned from my Udemy Course and the apprenticeship.

EDUCATION

Catholic High School Chester, Chester — *A Levels*

Sep 2016 - Jun 2018

Here I took Computer Science, Business and Theology. I was an A student in Business and was improving my skills in computer science theory during this period. At the time I was not sure what exactly I wanted to be, and later discovered and ventured into the possibility of getting a career as a software engineer. The computer science course mostly focused on computer theory, though there were many practical applications on the course.

Dootrix Google Nano Degree program, Manchester— Software development level 3 Apprenticeship

October 2018 - October 2020

This was a 2 year, highly regarded apprenticeship which has given me a google certified nano degree. As well as in-house industry training. Dootrix is a gold partner with Microsoft and prides itself in top-quality software, which I helped facilitate within the QA Process.

I managed to gain a vast amount of experience in QA practices and techniques through working on projects such as Heathrow's Incident report management system, in which I served as the lead QA engineer.

I also pride myself on the development experience and skill sets that I have acquired through in-house development projects, code automation, and courses I have been enrolled in.

Additional Projects

If you want to see more about my QA and development projects. Please click on this link to get a **portfolio** of my work over the apprenticeship.

<https://drive.google.com/drive/folders/12Z6v2aU3UCYQckS6EYF-vvyYjgZu99xl?usp=sharing>

The portfolio will be kept within a folder that contains other related documents. These include

- Apprenticeship Portfolio
- End of Apprenticeship BCS review
- End of Apprenticeship Dootrix Review
- Course certificates.
- Past Udemy/Plural site course projects
- A few personal projects.

This is subject to change, and more may be added.

This portfolio may not include the programming Exam project, Heathrow's Testing Experience, or the media share project.

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Link

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