

# Dylan Gee

## Junior Full-Stack Developer

### Details

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### Programming

HTML

SQL

CSS

JavaScript

PHP

React

Python

Java

C#

### Tools

Pandas

Streamlit

jQuery

Git

Mocha

Chai

Node.js

Express

Passport

Azure DevOps

GitHub

Bootstrap

MySQL

Docker

Excel

### Summary

Motivated and detail-oriented junior full-stack developer with a strong foundation in HTML, CSS, JavaScript, SQL, PHP, and Python. Additional skills in React, Java, C#, jQuery, Web Development, Git version control, Pandas, ETL processes, data modelling and analysis. Proficient in responsive design and able to effectively troubleshoot and debug code. Seeking to apply skills and continue learning at a company that values innovation and collaboration.

### Relevant Projects

#### IT Career Switch

Below are the two briefs of development projects I completed with IT Career Switch which can be found in my project portfolio (<https://dylangee.co.uk/>)

#### **Portfolio Project #1: "Gazetteer"**

- Designed, developed, and deployed a website for a map-based app to interactively provide information on countries, with a focus on a "mobile-first" development.
- This project was completed using HTML, CSS, JavaScript, and jQuery for front-end development.
- For backend development, PHP was used to source data from third-party APIs (Geonames, OpenWeather).
- The deployed solution was highly praised for its functionality, usability, and its alignment to specification.
- Successfully extracted data from external API's, transformed and abstracted useful information and loaded into the app.

#### **Portfolio Project #2: "Company Directory"**

- Designed, developed, debugged, and deployed a "mobile-first" company directory website, allowing users to manage a database of employees through an intuitive user interface.
- This project was completed using HTML, CSS, and JavaScript for front-end development.
- For backend development, PHP was used in combination with SQL to store and manage data in a MySQL database.
- The website was rigorously tested by professionals and found to perform completely error-free.
- Data extracted from user input was formatted and stored in the database to allow read and update functions.

### Northumbria University

#### **Automated Web Scraping (for dissertation)**

- Developed an automated web scraping tool during the course dissertation project to collect data from thousands of web pages.
- This was implemented using Python, with libraries Pandas and Selenium.
- Resulted in reduced data sourcing time from several days of manual work down to a few hours of automated run time on a single computer.

### Work Experience

#### **COMMERCIAL COPY PLANNER**

##### **Seymour Distribution, Peterborough / Sept 21 - Present**

- Use logic and reasoning to allocate appropriate supplies of magazines to optimise sales.
- Work towards weekly deadlines to make sure supplies are allocated, before on-sale dates.

## Techniques

Software engineering

CI/CD

Web application development

UI design

Database design

Debugging

Agile project delivery

Data modelling

Data engineering

Data visualisation

ETL processes

Geolocation development

- Use of the company's custom system to complete allocations.
- Work closely with multiple departments as well as wholesalers to ensure the distribution process is smooth and compliance is met.
- Manage my own portfolio of publishers.
- Work within a small team where collaboration is necessary for everyone's work to be completed in time.
- Answering daily queries.
- Training new recruits until they hit the standard required to work independently.
- Adapting to requests made by publishers.
- Completed courses in presenting with impact and managing complex relationships.

### TRACK AND TRACE OPERATIVE

**MTU, Peterborough / June 2021 – Sept 2021**

- High levels of customer service (running people through the tests, making sure they were comfortable with the process).
- Worked within COVID guidelines.
- Worked with teams to provide a positive and easy experience.

### WAREHOUSE OPERATIVE

**Argos, Peterborough / June 2018 – Sept 2018**

- Worked independently in warehouse environment.
- Picked items for customers in a timely manner.
- Sorted incoming and outgoing deliveries in a fast and logical way.
- Used own initiative to overcome problems such as late deliveries and misplaced items.

## Education

### Coding Traineeship – Full stack developer

**IT Career Switch Ltd / 2022 - 2023**

During the traineeship I had to demonstrate a very competent level of the following programming languages and technical skills:

- Completed courses in Full-Stack development including HTML, CSS, JavaScript and relevant frameworks, Python, Java, PHP, C#, and JQuery
- Familiarised with GitHub version control.
- Planned, created, and deployed two full stack projects.
- Passed the Codecademy internal exam.

### Bachelor's degree in Biotechnology & Bioinformatics

**Northumbria University / 2017-2021**

- Utilised various systems and applications to conduct research and experiments.
- Used applications that demanded time, logic, and reasoning. Among these applications were 3D protein modelling, genetic sequencing software, and creating phylogenetic trees.
- Employed R to generate several graphics based on a vast database of genes. This involved processing the entire database through a program to produce the graphics.
- Used Python to automate the process of web scraping a list of genus entries and determining the gene's relation to each genus.
- Working within teams to complete research.
- Working independently on projects.

### A-Levels / GCSEs

**Arthur Mellows Village College / 2015-2017**

- Three A-Levels (Biology, Geography and Philosophy & Ethics)
- 11 GCSEs