



## William Busby

### Junior Software Engineer

#### About Me

I'm an enthusiastic, self-driven person always looking to develop myself in a fast-paced work environment.

Training with \_Nology has helped me develop both my technical skills and soft skills, especially for back-end coding, and helped reinforced my passion for software engineering.

#### Key Skills

HTML5, CSS3, SASS, JavaScript, React, Jest, Cypress, REST APIs, Github Actions, TDD, GCP, Oracle Cloud, CI/CD, OOP, Java, Spring, Python, MATLAB, SQL, and React Testing Library.

View my full portfolio [here](#).

Currently working towards Google Cloud Associate Cloud Engineer certification.

#### Education

2017-2021

**MEng Aerospace Engineering**

University of Sheffield, Sheffield, UK

Aug 2018 – July 2019

**Study Abroad Year**

University of Texas At Austin, Austin, USA

2015 – 2017

**A Levels**

Imberhorne School, East Grinstead, UK

#### Work Experience

January 2022 – April 2022

**Junior Software Engineer | \_Nology, UK**

- 12-week software engineering course.
- Worked on a variety of projects with both front-end and back-end development.

April 2022 – November 2022

**Junior Software Engineer | Accenture, UK**

- Worked within the GCP Data Studio team primarily developing internal tools for client use.
- Built understanding of common use case ETLs in SQL for data migration and manipulation.
- Data Testing Framework - Worked on front end application for creating and running data unit test files with Angular and deployed on Cloud Run.
- Created a Python Flask API in Cloud Run for interacting between GCP storage, Cloud Functions, and the front-end application.
- Worked on data unit test automation using test files and a Python Cloud Function.
- CI/CD Framework - Used Jenkins within GCP VMs to work with code CI/CD promotion pipelines with built in unit testing, mainly focusing on individual stages within the pipeline for running SQL queries in GCP BigQuery and storage.
- Data Validation Framework - Worked on an existing Python program for validating migration between source and target tables or files.
- Added the option for custom ETLs to be tested, such as changing date formatting, removing special characters, and custom RegEx changes.
- Table Tagging - Automated BigQuery column tagging using GCP Data Loss Prevention with a Python Cloud Function.
- Presented progress and results continually to managers and periodically to managing directors.

#### Hobbies

I frequently enjoy watching rugby and cricket, having played both a lot when I was younger.

I enjoy a variety of video games, mostly strategy and logic-based games, as these are often the most interesting to me.