



## Dwyan Anthony Alford

### Test Automation Engineer



## ABOUT ME



As a software developer, I have always been eager to learn more as well as collaborate. I have strong communication and organization skills as a previous business owner, leading teams in many different capacities. Testing applications has been interesting because you get to really understand the business logic of the app, the defects, and most importantly, the value of Test-Driven development.

My interest was sparked by a great deal of satisfaction and accomplishment I always felt when developing and building applications. Seeing something that was an idea manifest into a physical thing that others could interact with. Meeting the needs of my clients, users and seeing their satisfaction is what fuels my motivation and passion for software development.

### Interesting Facts About Me:

- I lived in South Africa for 10 years.
- I have been to 21 countries around the world so far.
- I have hiked over 30 different trails between Oregon and Seattle in the last 3 years.



### Education & Certification



### Bachelor's Degree - Accounting

 New York University - Jun 1996



### Full Stack Web Development Program

 George Washington University College of Professional Studies

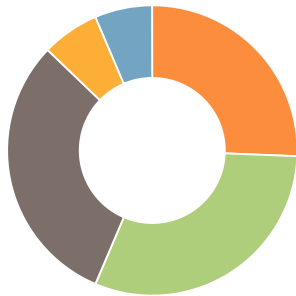
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Online Transcript :

<https://bootcamp.cps.gwu.edu/>



### Web Technologies

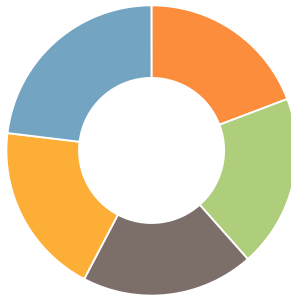


- JavaScript (20)
- HTML (24)
- CSS (24)
- Java (5)
- SQL (5)

#### Web Technologies

- JavaScript
- HTML
- CSS
- Java
- SQL

### Automated Testing

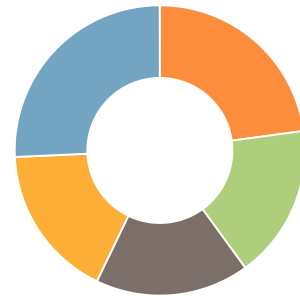


- Selenium (5)
- TestNG (5)
- JUnit (5)
- Cucumber (5)
- Gherkin (6)

#### Automated Testing

- Selenium
- TestNG
- JUnit
- Cucumber
- Gherkin

### Server / Databases



- Postman (8)
- DBeaver (6)
- Postgres SQL (6)
- JBDC (6)
- MongoDB (9)

#### Server / Databases

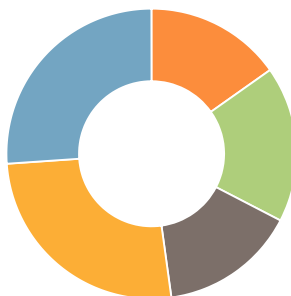
- Postman
- DBeaver
- Postgres SQL
- JBDC
- MongoDB

### DevOps



- GitHub (10)
- Maven (5)
- Google Cloud (3)
- Docker (3)
- Jenkins (3)

### Frameworks / CMS



- React.JS (7)
- Bootstrap (8)
- Node.JS (7)
- WordPress (12)
- Shopify (12)

## DevOps

- GitHub
- Maven
- Google Cloud
- Docker
- Jenkins

## Frameworks / CMS

- React.JS
- Bootstrap
- Node.JS
- WordPress
- Shopify



## Microblogging Site

The Project is designed to help solve the issue of cluttered blogging sites. After signing up, users can login, write posts, view/comment other user posts and see time stamps for activities. The front end is a single page application comprised of HTML, CSS and JavaScript. The backend consists of API endpoints that handle user requests using Java, Javalin and JDBC. The database uses Postgres as a vendor and is hosted on Google Cloud Platform. User First Name, Last Name, ID and Comments are stored on a persistent database. The database is constantly updated by user input. A feed displays on the webpage with data pulled from the database.

### Roles / Responsibilities

- Wrote the code for the Gherkin/Cucumber feature files and step implementation files for End-2-End Testing.
- Followed TDD and BDD to create an RTM, Test Case Design Document and Defect Reports.
- Used HTML, CSS, and JavaScript to develop/design the Front-end for the Home page post/comments feature.
- Implemented Java, JDBC, DBeaver, and PostgreSQL to connect/build the backend web API and connection to the database.

### Environment / Technologies

Javalin, Java, JavaScript, Selenium, Cucumber, Gherkin, HTML, CSS, JUnit, DevOps, SQL, Agile-Scrum

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## BugCatcher - JWA

A team has recently completed a prototype of a new Test Case and Bug Reporting management system. This system is for internal use. Many features are incomplete and the application lacks any styling. The team expects the application to have bugs, both visual and logical. You have been tasked with testing the application, specifically writing the automation tests so that future sprints on the project can do rapid regression testing. You will not have access to the source code of the application. However, you are being provided a version of the application up and running in a dev environment. You will have access to the underlying API for the application.

### Roles / Responsibilities

- Created a Requirements Traceability Matrix to match business requirements with features to be tested.
- Created a Test Case Document showing all features, scenarios, steps tested and the results.
- Created a Defect report for all tests - tracking bugs and documenting them according to their priority.
- Wrote and implemented Automated End-2-End tests with Java, Selenium and Cucumber with the Gherkin feature files provided.
- Presented the final results in front of a panel, showed my automated testing in action and fielded all questions they had regarding my testing.

### Environment / Technologies

Java, Selenium, Agile-Scrum

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## Automation of e-commerce application

Welcome to P3! For this project you will be given a completed application called "Congo". Congo is an e-commerce application. The application is divided into two parts, the Frontend and Backend.

Your task for the Project is to implement BDD with Selenium, Cucumber and TestNG/Junit to write End to End tests for the front end of the website. Test the backend endpoints using Postman, write a Startup and General.md file, and document testing (RTM, Test Case Design Document, Test Plan, Defect Report). You are to use Agile/Scrum methodologies as you work with your team to complete the tasks. Including but not limited to: Sprint Planning, Product Backlog, Sprint Backlog, Daily Standups, Sprint Review and Sprint Retrospective. You will use Trello for management of your sprints.

There are two stretch goals for this project 1) Use Jira software for all applicable testing documentation 2) Use MockMVC for white box integration testing on the backend. Remember, since you are following Agile, you will be meeting with your client or manager, and might need to adapt to changing requirements throughout the project.

## Roles / Responsibilities

- Wrote the Cucumber/Gherkin feature files, Java code to automate for the Step Implementation files for Selenium End-2-End tests for displaying products, searching products, creating, updating and deleting products on the website.
- Wrote the code for setting up a runner class using JUnit to manage the End-2-End tests.
- Wrote the code to automate black box testing for Products Controller API endpoints (Product Search -GET, Display - GET, Create- POST, Update and Delete Products) using Postman.

## Environment / Technologies

Gherkin, Cucumber, Selenium, Java, Agile-Scrum, Postman, JUnit

### Other Experiences

#### Care Team Health

**Nov 2017 - Mar 2020**

Web Designer

#### Wax and Oils

**Jun 2014 - Jul 2017**

Web Developer (Shopify)

#### Institute for Public Private Partnerships

**Aug 2013 - Sep 2015**

Web Developer