# Daniel Gardiner

**Full Stack Developer**

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Bristol

## Profile

I have eight months experience working as a full stack developer at Nudge Digital, a digital agency based in Bristol. In this role I have had the opportunity to work on really interesting and exciting projects using **React** and **Drupal**. The most recent project I have worked on is an application for Hackney Council which will allow residents to search for organisations offering support services in their area. Prior to working at Nudge Digital I graduated from the [Mayden Academy](#) Full Stack Training Course which I undertook to kick-start my career in tech.

Before starting in tech I worked as a Senior Infectious Disease Epidemiologist for Public Health England where I worked across multiple disease areas, including on some high profile incidents. For example, I developed a system to follow members of the public potentially exposed to Novichok nerve agent in the 2018 attack and traced suspected Ebola cases during the height of the Ebola crisis in 2014.

**Portfolio -** https://danielgardiner.github.io/

**Github -** https://github.com/DanielGardiner

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## Projects

### React / Hackney Council Service Finder

https://github.com/LBHackney-IT/lbh-fss-portal-frontend/tree/develop

This project consists of a **React** frontend which is served by an API built using .NET. My role was to build the frontend responsible for managing users, organisations and services. I built this application using functional components making use of modern **React hooks**.

Some of the libraries I used most heavily to build this application were **reach-router** to handle routing, **axios** to handle API requests, **react-hook-form** to manage form submissions and validation, **react-table** to display paginated tables, **react-toastify** to handle user notification messages, **styled-components** to add custom styling and **react-testing-library** coupled with **Jest** to perform unit and integration tests. Additionally, in order to rapidly build the frontend, independent of the backend, I mocked responses from the API using **connect-api-mocker** middleware.

### Drupal / Business West

https://www.businesswest.co.uk/

Business West is one of fourteen Drupal sites I provide ongoing support for. Some of the most recent tasks I have actioned on this site include adding functionality to allow site administrators to restrict the visibility of call-to-actions based on user's permissions, creating a responsive summary of the latest blog posts and improving the tracking of user referrals to external sites. Each of these tasks has required a combination of building custom modules using **Drupal hooks**, updating custom themes using **Drupal template files**, **SASS** and **JQuery**, adding third party modules using **composer** to manage dependencies and making configuration changes through the **CMS** admin interface.

## Experience

**Web Developer** / Nudge Digital

January-2020 - Current

I worked on two greenfield projects building frontend user interfaces from the ground up using React. On both occasions working within an agile team where I actively contributed towards sprint planning, reviews and retrospectives.

Provided ongoing support to multiple clients running Drupal 7 and Drupal 8 sites. This involved implementing new features, deploying changes to staging and production sites, communicating with clients to identify priority tasks, bug-fixes, security updates, renewal of SSL certificates, providing documentation on new features and setup of Google Analytics tracking using Google Tag Manager, including the setup of custom triggers and events.

**Student** / [Mayden Academy](#) **Full Stack Training Course**

August-2019 - December-2019 (4 months)

An intensive four-month full stack training course using industry standard methodologies such as OOP, SOLID principles, design patterns, frameworks, unit testing, git and task automation managers. The primary technologies used were HTML, CSS, SASS, JavaScript, Typescript, PHP, Slim, MySQL and React. Gained experience acting as a scrum master and gained Scrum Master Certification from the Scrum Alliance.

**Senior Epidemiological Scientist** / Public Health England

September-2017 - August-2019 (2 years)

Used R/RStudio extensively for data manipulation, visualisation and automation. Other responsibilities included investigating disease outbreaks, conducting research studies, training and managing staff.

**Consultant** / World Health Organisation (WHO)

October-2017 - November-2018 (1 year 2 months)

Independently automated the production of seasonal influenza surveillance reports for over 50 European Regions using R/RStudio.

**Epidemiological Scientist** / Public Health England

September-2012 - September-2017 (5 years 1 month)

Presented research at national and international conferences, including in Atlanta (USA) and Stockholm (Sweden). Ran multiple R/RStudio workshops and training days. Led on a national legionella risk factor research study securing £50,000 of funding. Produced and presented numerous epidemiological reports for a range of audiences.

## Education

**MSc Mathematical Biology, Merit** / University of Bath

2010 - 2011

Used mathematical modelling techniques to predict the behaviour of complex biological systems.

**BSc, Mathematics, First Class** / University of Sussex

2007 - 2010

Covered a broad range of mathematical subjects but most importantly developed the ability to break down a complex problem into discrete logical steps.