



Working in software engineering is an absolute joy; it satisfies my pattern-orientated brain and allows ample room to work creatively too. Taking on a wide range of challenges in my previous role has provided professional development and momentum I wish to continue building going forward. I am eager to learn and contribute and committed to making both myself and the place I work the best they can be.

## SKILLS

### Languages and Frameworks:

- . Python
- . JavaScript/TypeScript
- . SQL/PostgreSQL
- . HTML/CSS
- . React
- . Django
- . Express
- . Jest

### Platforms:

- . AWS
- . Firebase

### Tools:

- . TDD
- . Jira
- . Docker
- . ESLint
- . SendGrid
- . Heroku
- . Agile
- . Node
- . TypeORM
- . GitHub
- . Mailchimp
- . Expo

## EMPLOYMENT HISTORY

Full Stack Developer | Tred Earth Limited, Leeds | June 2022 to June 2023

### Key Responsibilities

- \* Develop and maintain software, primarily in a backend role for a mobile software application that used both a monorepo development strategy and a service-oriented architecture.
- \* Ensure reliable code outcomes through thorough integration and unit testing.
- \* Debugging and rectifying issues customers had reported to customer support agents.
- \* Write and update technical documentation.
- \* Contribute to sprint planning meetings, creating "epics" for new features and writing tickets.
- \* Presenting features I had worked on to the company in the fortnightly "Show and Tell" meeting.

### Key Achievements

- \* Debugged and fixed an issue that was preventing debit card applications from completing, due to a third-party code change, while coming up with a temporary way to handle users whose card creation had failed. This enabled customers to be approved for a card as soon as possible and protected their confidence in the company.
- \* Optimised the sending of push notifications through batching, using a recursive method, reducing the number of API calls to our provider by 1000.
- \* Designed and built a system which identified a user's real-time paid membership status to the app and represented it in their Mailchimp profile, guaranteeing only up-to-date and relevant marketing material was being sent out.
- \* Produced a code solution to allow personalised push notifications to drive customer engagement and connection to the product.
- \* Built custom Know Your Customer checks with company-specific methods of handling outcomes and displaying the data in the company's online admin site. This optimised the

time taken to manage customer card applications and displayed clear and detailed evidence of the process tailored to the compliance team.

**Shop Assistant and Dog Walker** | Barrowford Pet Store, Barrowford Lancashire | October 2020 to October 2022

**Animal Care Technician** | Play Away Centre, Gargrave, North Yorkshire | September 2019 to June 2021

**Cattery Assistant** | Clearview Boarding Cattery, Hapton, Lancashire | May 2019 to January 2020

**Stablehand** | Pendle RDA (Riding for the Disabled Association), Foulridge, Lancashire | December 2014 to June 2016

**Trainee Music Leader** | More Music, Brierfield, Lancashire | November 2014 to December 2015

**Picker/Packer** | ASDA, Colne, Lancashire | September 2014 to August 2015

**Arts Assistant** | Pendle Leisure Trust | Nelson, Lancashire | June 2011 to September 2012

## PERSONAL PROJECTS

Can be found on [rosievallely.com](https://rosievallely.com).

## COURSES

2020

**Codecademy** | [Computer Science Pathway](#)

A collection of Python based modules covering data structures like queues, stacks and HashMaps, asymptotic notation, trees and graphs, computer architecture and including a PostgreSQL database module.

2021

**Freecodecamp** | [JavaScript Algorithms and Data Structures](#)

2022

**Codecademy** | [Discrete Math](#)

**Codecademy** | [Learn TypeScript](#)

**FutureLearn** | [Mathematics for Computer Science: Essential Skills](#)

## EDUCATION

**Northcoders** | **Coding Bootcamp** | November 2021 to March 2022

Northcoders is an intense and immersive full stack software development bootcamp course. The languages of the course were JavaScript, SQL, HTML and CSS.

**University of Central Lancashire** | **BA (Hons) Philosophy** | September 2017 to May 2018

**University of Plymouth** | **BA (Hons) Fine Art** | September 2016 to May 2017

**Nelson and Colne College** | **Foundation Diploma in Art and Design (Distinction)** | September 2015 to June 2016

**Nelson and Colne College** | **BTEC Level 3 in Art and Design (Double Grade Distinction\*)** | September 2012 to June 2013

**Queen Elizabeth's Grammar School** | **GCSEs (7As, 3A\*s)** | September 2006 to June 2011