

Iwan Cherry- Moreton

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Profile

Passionate and highly skilled SRE with 4 years of experience in designing, building and maintaining monitoring solutions, automation and toil reduction across a multitude of services. Seeking a position where I can leverage my experience and knowledge in monitoring, automation and infrastructure management to ensure the reliability of critical services.

Certifications

March 2021 - Azure Fundamentals (AZ-900)
June 2022 - AWS Certified Cloud Practitioner (CLF-C01)

Technical Skills

- Python	- Open Telemetry	- Gitlab CI/CD
- Rust	- Terraform	- AWS
- TypeScript	- Linux	- Docker
- Pulumi	- DataDog	- Git

Employment History

Site Reliability Engineer, Dunelm - 2022-Present

- Developed and maintained CI/CD pipelines using GitLab to enable automated deployment of applications.
- Contributed to the introduction of an automated system to allow for the monitoring of deployed changes.
- Built constructs and testing solutions for an IaC monitoring solution in Pulumi.
- Collaborated with different teams to implement monitoring using aforementioned monitoring solution.
- Deployed and maintained the LGTM(Loki, Grafana, Tempo and Mimir) stack in ECS to allow for an open source solution to view and monitor application logs, traces and metrics.
- Maintained and improved services written in Python, Typescript, Svelte and Rust.
- Made extensive use of DataDog to monitor and ensure services were running as expected.
- Consulted with development teams to architect new services to ensure observability and reliability.

Consultant, QA - 2021-2022

Site Reliability Engineer, DLG - 2021-2022

- Implemented monitoring solutions for legacy software to ensure a lack of downtime and a reduction in manual work, saving developer hours.

- Managed the relationship between technical and business facing teams by being responsible for incident and change management.
- Moved legacy codebases from SVN to GitHub to allow for continued work.
- Deployed and maintained agents on Windows Servers.
- Supported the move from on-prem servers to an Azure based solution.

Supermarket Assistant, Waitrose and Partners, London - 2018-2021

- Customer Service
- Stock checking and replenishment
- Inspecting displayed food stocks to provide items for discounted sale
- Providing support with customer queries
- Receiving and checking deliveries

Projects

Allergen Tracker - 2020-

For this project I used Flask to create an API that allows a user to look up the ingredients and potential allergens of a food item, using the barcode. I used Flask with a PostgreSQL instance to store information about food items from the OpenFoodFacts service. I'm currently in the process of building an iOS app using Swift and SwiftUI as a way of learning Swift.

QA Micro Service Application - 2020

For this project I was tasked with developing a micro-service architecture web application. The focus for this was mainly on the CI/CD pipeline used to deploy the application, with the application itself being a set of simple Flask applications. The application was built using four separate Docker containers being orchestrated using Docker Swarm. This was built and deployed through the use of Jenkins and the Blue Ocean plug-in, with the testing of the application, the building of the Docker images, the set-up required on the GCP hosted VMs and the configuration of the load balancer all being automated through the use of a Jenkins pipeline and Ansible.

QA Event Tracker - 2020

This project involved creating a web application allowing users to track events. For this I used an array of tools including Flask, HTML/CSS and a GCP hosted MySQL instance. This application was deployed on a GCP VM using Jenkins and GitHub web hooks for automated deployment.

Final Year University Project - 2020

For this project I designed a news aggregation web application using Django for the REST API back-end and ReactJS for the front-end. This application used a machine learning algorithm that categorised articles based on the text within the title and description of the article. This project allowed me to gain experience with data and ML algorithms, as well as gaining experience in the use of JavaScript and ReactJS as technologies that I hadn't previously used.

Online Calendar - 2020

For this project I designed a cloud based calendar application that was hosted using Kubernetes. The application was written in Python using Django with the frontend being HTML with various JavaScript elements.

Personal Website - 2020

I built my personal website using HTML, CSS and JavaScript.

Education

Sep 2017 -Jun 2020 - City, University of London – BSc (Hons) Computer Science

Sep 2015 - June 2017 - Accrington Academy Sixth Form - A-level History,ICT and Maths

Sep 2010 - June 2015 - Accrington Academy - 11 GCSEs A-C

Interests

- Football (Burnley)
- Politics
- Current affairs
- New tech releases