Dylan Ritchings

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Location: South East England

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Experience

Software Developer   03/2023 – current
Met Office (QA Ltd Consultant)

In my current role, I am actively involved in the development and maintenance of aviation APIs. My responsibilities include:

- Constructing serverless infrastructure utilizing Python AWS CDK.

- Crafting Python AWS Lambdas integrated with scientific libraries to manage weather data.

- Creating tooling solutions aimed at facilitating the creation and ongoing maintenance of APIs.

Infrastructure Developer   10/2022 – 11/2023
IBM (QA Ltd Consultant)

I was involved in migrating legacy DEFRA applications to AWS, primarily focusing on:

- Creating Terraform scripts for deploying AWS infrastructure

- Developing Ansible and Packer scripts for generating AMIs for EC2 instances

- Creating automation scripts using Bash, Python, and PowerShell for tasks in AWS and server environments

- Maintaining Linux and Windows servers that are hosted on AWS EC2s

Technical skills

Programming languages	Python, Bash, Terraform, Ansible, Powershell
Testing	Python UnitTest, Moto, MagickMock, Cucumber, Gherkin
Markup Languages	LaTeX, HTML, CSS
Operating Systems	Linux, MacOS, Windows
Cloud platforms	AWS (Python CDK, Boto3, CloudFormation, CLI), WSO2 API Manager
Database technologies	RDS, PostgreSQL, MySQL
IDEs	Vim, Emacs

Education & Certification

AWS Certified Cloud Practitioner　　　　　　　**06/2022 – 06/2025**

University of Portsmouth　　　　　　　**09/2017 – 06/2020**

BSc Software Engineering (2:1, 3.45 GPA)

Collyer's VI Form College, Horsham　　　　　　　**09/2015 – 06/2017**

A level: Physics (B), Computer Science (C), Environmental Studies (D)

Warden Park School, Haywards Heath　　　　　　　**09/2010 – 07/2015**

9 GCSEs: Maths (A), Science (A), Additional Science (B), Computer Science (B), English Literature, English Language, Philosophy and Ethics, Product Design