

# Dylan Ritchings

Email:

Phone:

Location:

Github: <https://github.com/DylanRitchings/>

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## Experience

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### Software Developer

03/2022 – 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 seamlessly integrated with scientific libraries to manage weather data.
- Creating tooling solutions aimed at facilitating the creation and ongoing maintenance of APIs.

### Infrastructure Developer

10/2021 – 11/2022

*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.

## Technical skills

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<b>Programming languages</b>	<i>Python, Bash, Terraform, Ansible, Powershell</i>
<b>Testing</b>	<i>Python UnitTest, Moto, MagicMock, Cucumber, Gherkin</i>
<b>Operating Systems</b>	<i>Linux, MacOS, Windows</i>
<b>Cloud platforms</b>	<i>AWS (Python CDK, Boto3, CloudFormation, CLI), WSO2 API Manager</i>
<b>Database technologies</b>	<i>RDS, PostgreSQL, MySQL</i>
<b>IDEs</b>	<i>Vim, Emacs</i>

## Education & Certification

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**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*

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