

Daniel McIntyre

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Education

Master's of Engineering, University of Bristol

- Upper second-class honours in MENG Mechanical Engineering

RR6 Sixth Form, Merton, London

- A-Levels completed in Maths (A*), Physics (A) and Biology (A).

Core skills

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|--|----------------------------|
| • Python, Golang, C++, JavaScript | • Git |
| • Linux/Unix/Bash | • Agile/Scrum |
| • CI/CD (Jenkins/Rundeck/GitLab pipelines) | • Docker, Kubernetes |
| • Automation (Selenium/Ansible/Terraform) | • CouchDB/Postgres |
| • TDD (test driven development) | • Cloud technologies (AWS) |

Work experience

Software Engineer - Zynstra (NCR Corporation) (July 2022 – Present)

- Developed a Python REST API to efficiently distribute customer images to thousands of stores for upgrades.
- Developed a virtual machine, integrated with a PostgreSQL database, for storing and distributing customer images, using Terraform and Ansible to automate deployment on an AWS EC2 instance.
- Conducted company-wide knowledge transfer sessions, guiding both technical and non-technical staff through the workings of my product areas.
- Developed a systemd-managed Python service for dynamically queueing and reinjecting thousands of virtual machines with new golden images via a single interface.
- I perform code reviews within my team, delivering clear, constructive feedback that enhances learning and ensures we achieve optimal solutions.
- I troubleshoot and resolve production environment issues for customers and our delivery teams, implementing necessary hotfixes and taking full ownership of my product areas and codebase.

Other Professional Development

- I have completed full training for my AWS cloud practitioner exam and am waiting to sit the exam. I've started learning for the AWS certified developer exam which I intend to take after passing my cloud practitioner exam.
- I developed my own personal site which is hosted on my own server as a sort of portfolio using HTML, CSS, JavaScript and a NodeJS backend. A link to this can be found at the top of my CV.
- I am currently working on a desktop note taking application using React, PostgreSQL, and NodeJS in my free time.