JACK HUGHES

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Dedicated problem-solver with experience developing data pipelines using Python and SQL on AWS. My life-long-learner attitude and background in technical support equips me with the technical and soft skills to grow into an impactful software engineer.

EXPERIENCE

Generation, remote – *Jr. Data Engineer programme*
SEPT 2020 – NOV 2020
- Professionally mentored on modern software construction practices covering testing, Git, Agile, and Continuous Delivery principles (DevOps, CI/CD, Infrastructure-as-Code).
- Applied these best practices in individual and group projects to create robust ETL solutions.

Littlefish, Rochdale – *Service Desk Engineer*
APRIL 2019 – JUNE 2019
- Provided tier 1, 2, & 3 technical support.
- Maintained IT infrastructure for hundreds of organisations.
- Assisted clients with maximising integration of their available IT services into their business.

Sodexo, Salford – *Support Technician*
JANUARY 2020 – MARCH 2020
- Managed thousands of assets, ensuring timely support through the use of scripts.
- In-house technical support for hundreds of staff

Arcadis, Manchester – *Service Desk Analyst*
MAY 2015 – JULY 2018
- Provided technical support in a fast-paced environment, regularly beating performance KPIs.
- Mentored new hires on essential tools and processes.

EDUCATION

The Oldham College
SEPT 2012 – MAY 2014
- BTEC Extended Diploma, Uniformed Public Services (DDD grade)
- GCSE Maths, English

SKILLS / TOOLS

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Python  –  Docker  –  AWS S3
SQL     –  Linux   –  AWS Lambda
Git     –  Agile   –  AWS CloudFormation
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PROJECTS

INFINITE-DATA-SYSTEM (group project)

A cloud-native serverless ETL pipeline on AWS Developed in a 7-person team applying Agile methodology.

The application architecture had AWS S3 as the data source, from which three inter-connected AWS Lambda services ingested the data, transformed it to fit our database schema, then loaded the transformed data into an AWS Redshift data warehouse where we automatically generated visualisations.

The project used GitHub Actions for CI/CD and AWS CloudFormation to provision and deploy the infrastructure and application code.

This solution allowed stakeholders to easily monitor daily sales data, enabling better data-driven decision making and advancing their ability to meet and adapt to changing customer behaviours.

SPACEBAR (individual project)

A Python and SQL command-line application coded to develop fundamental software construction skills. Used Docker and virtual environments to ensure a clean and reproducible development environment, managed source-control with Git, and ensured that application code was robust and consistent through the creation of tests and code linting.