Zac Hooper

Data Engineer

How to reach me:

Mobile:
0460 356 097

Email:
zac.g.hooper@gmail.com

Linkedin:
linkedin.com/in/zachooper

Website:
zachooper.com

GitHub:
github.com/ZacHooper

Education

Graduate Certificate of Data Science

RMIT | 2021

Bachelor of Arts (Music Industry)

RMIT | 2014 - 2017

Diploma of Information Technology

RMIT | 2015 - 2016

Professional Skills

Coding Languages:
Python, SQL, Javascript, HTML/CSS,

Frameworks/Systems:
AWS, GCP, BigQuery, Postgres, GitHub Actions, Dataform, Fivetran, Docker, Excel, Selenium, LLM APIs

Personal Profile

Data Engineer delivering business value through real-time processing, dimensional modeling, and ML/LLM integration. Proven expertise in cost reduction and process automation.

Experience

Data Engineer

TRENDii -- 2024 to Present

- 50% reduction in BigQuery costs through efficient data modelling and improving compression ratios.
- Built data warehouse using Kimball's dimensional modelling, reducing common query costs by up to 126x.
- Built SQL ETL pipelines with Type 2 SCD modelling to standardise retailer product feeds and track historical changes, reducing onboarding times from days to minutes.
- Implemented data transformation workflows using Dataform to organize and enhance data pipeline quality.
- Identified client was missing 60% of potential impressions through comprehensive data analysis.

Data Engineer

9epoch -- 2022 to 2024

- Delivered near real-time (<30s) news alert system using event-driven architecture with AWS EventBridge & SQS, filtering for novel content via vector similarity and enriching with sentiment analysis and company identification.
- Built comprehensive financial analytics web application using Plotly Dash with real-time ASX market analysis, powered by Lambda-based data pipelines and Postgres storage
- Configured the CI/CD for company by harnessing Github Actions and AWS CloudFormation.

Cloud Application Specialist

Cimar -- 2019 to 2022

- Used Python and REST API to automate account setup, reducing time from 2 hours to 5 minutes.
- Developed custom JQuery reporting tools for Doctors.

Technical Certifications

AWS Certified Developer - Associate (DVA)

Knowledge and understanding of core AWS services

Databricks

Fundamentals of the Databricks Lakehouse Platform

Projects / Open Source Contributions

Coffee Review Web App
App | Code | Python, HTMX

Lightbug HTTP
Code | Mojo

References   On Request