

sydney · australia · for neilson financial services

# Liam Wynne

Data & AI Builder

I don't present ideas — I build them. Civil engineer turned AI engineer.

**“Not just an ideas man.”**

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PORTFOLIO — FOR THIS ROLE

## ERD Studio

vs code extension · open source · on the marketplace

Visual ERD designer for dbt. Design your data warehouse on a canvas, in your repo, where Claude and other agents can read and edit it via Model Context Protocol. TypeScript.

FOR NEILSON — if dbt is in (or near) your stack, this is the same accelerator that took my team from “we need a new model” to production in days, not weeks. The one I'm most proud of.

[vs code marketplace ↗](#)

[github.com/liam-machine/erd-studio ↗](https://github.com/liam-machine/erd-studio)

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## Sales Quoting Agent

multi-agent claude poc · cloudflare worker · anthropic managed agents

Orchestrator + six specialists (RFQ parser, rate lookup, surcharge engine, client terms, margin checker, quote drafter). Local MCP server, Cloudflare Worker, and the same agent loop deployed on Anthropic's Managed Agents cloud runtime. Rate limits, cost ceilings, 15 passing tests.

FOR NEILSON — directly the shape of the JD: “agents, pipelines, automation” against real business logic, with three runtimes proving the same prompts work laptop → edge → cloud.

[agents.liam-is-an.ai ↗](#)

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## My local café — Big Red

`next.js` on `cloudflare workers` · `live` · `api integration`

I know the owner. Built him a one-click scheduling tool that pulls every casual's SSFA soccer fixtures for the upcoming Saturday and shows when each person is actually available behind the counter. Replaces a weekly cross-referencing job nobody enjoyed. Next.js + Cloudflare Workers (via OpenNext) + KV.

FOR NEILSON — the JD's "ship a lightweight internal tool without waiting for a designer". Frontend + API integration + deploy, end-to-end, on a weekend because I cared about the problem.

[big-red.liam-is-an.ai ↗](#)

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## liam

`claude code plugin marketplace` · 12 plugins

Personal Claude Code marketplace covering Databricks admin, Power BI local editing, Atlassian + SharePoint REST, multi-platform messaging, Raspberry Pi SSH, status line. One-line install: `/plugin marketplace add liam-machine/liam`.

FOR NEILSON — the JD's "AI-native tooling as a daily multiplier, not a party trick" line. Tooling I built for myself and packaged so other engineers can install it in one command.

[liam.liam-is-an.ai ↗](#)

[github.com/liam-machine/liam ↗](https://github.com/liam-machine/liam)

## AI / Data Engineer

2022–present

John Holland Group

- Built and shipped *ERD Studio* — an open-source VS Code extension on the marketplace that uses LLMs to compress dbt data-warehouse delivery from *five months for a whole team* down to *two weeks for one engineer with AI*.
- Shipped a Retrieval-Augmented Generation pipeline on Delta Live Tables — vector search over unstructured operational content, wired into an enterprise chatbot.
- Automated Power BI measure generation with LLMs — turned days of manual DAX work into an integration that writes and validates measures in minutes.
- Built and shipped the *BI Portal* — an internal app that overhauled how the org navigates Power BI dashboards (Netflix-for-KPIs UX). Inside it, the team now scaffolds new dashboards in React with AI assistance. In production with full CI/CD, deployed as a Databricks App on the Databricks AI Dev Kit.
- Use Claude Code as a daily multiplier — agentic coding, custom skills, MCP integrations. Built personal tooling around it, not just consumed it.
- Wired systems together end-to-end — GitHub Actions, dbt Cloud, Databricks workflow APIs, webhook triggers and event-driven jobs. Manual processes become hands-off pipelines.
- Designed full-stack data workflows across AWS, dbt, Databricks and Power BI — ingestion, transformation, modelling, reporting.
- Modelled data with bronze / silver / gold architecture — aggregated, scalable, observable.
- Built high-performance DirectQuery KPI dashboards in Power BI — raw operational data to executive summary with minimal latency.
- Deployed MLflow pipelines for classification — continuous training, registry and governance.
- Designed and implemented the team’s dbt CI/CD — GitHub Actions pipelines on every PR, environment promotion, automated tests, deploys into Databricks. Live in production.
- Presented an AI primer to ~80 IT staff and ran brownbags on AI-assisted data engineering for the wider team.

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## Systems Engineer

2018–2022

John Holland Group — Sydney Gateway

- Systems Lead on a multi-year CBD infrastructure project.
  - Built and rolled out Microsoft Power Platform tooling (Power Apps, Power BI, Power Automate, SharePoint) across the site — workflow automation before it had a marketing department.
  - Digitised manual workflows end-to-end and trained the team into the new systems.
  - Administered the project quality software (PPW) and produced the analysis that drove decisions.
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## Site Engineer

2015–2018

CPB Contractors — WestConnex New M5

- Site Engineer on Stage 2 of the New M5 motorway tunnel.
- Ran site setup, decline excavation and structural steel install at Arncliffe.
- Owned daily reporting, program updates, cost forecasting and material procurement.
- Interfaced with designers and supervised the field workforce — safety-critical operations, no room for sloppy data.

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### STACK

Claude Code	agentic dev, daily
Python, SQL	daily
TypeScript	extensions, tooling
LLM APIs & MCP	anthropic, openai, model context protocol
Databricks	lakehouse, delta live tables
dbt	transformation, modelling
AWS	glue, sagemaker, airflow
GitHub Actions	ci/cd, webhook automation
MLflow	model ops
Power BI / Power Platform	analytics, automation

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### EDUCATION

2018–2020

#### Master of Computer Science

University of Wollongong — AI & Big Data  
Distinction

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2011–2014

#### Bachelor of Civil Engineering

University of Wollongong  
First-class honours

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### CONTACT

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REFERENCES

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