Connor Lane

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Mobile:
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Location:
Paddington, NSW, 2021

Key skills

AI & LLMs:

- Agentic pipelines
- LangGraph
- Orchestration
- Prompt engineering
- Context management
- Semantic search
- Function calling
- RAG + Vector DBs
- Evals + Guardrails
- TTS

Languages:

- Python
- Typescript
- React
- Next.js
- Express

Technologies:

- AWS
- Azure
- CI/CD
- DevOps
- Docker
- FastAPI
- SQL
- NoSQL

Education

Bachelor of Commerce (Finance Major) from Curtin University
Graduated 2017

Data Analysis Course from University of Western Australia
Graduated 2021

Scholarship Winner at Mannkal Economic Education Foundation
2017

Founding Engineer | Full Stack AI | Former Founder

Senior applied AI engineer bridging the gap between AI product management and engineering. 5+ years experience building products and production code for enterprise and start-ups.

Expert in Python, React and LLM integrations. Skilled in navigating the full modern stack and LLM behaviour.

Career history

Senior Software Engineer at Kali Software (Aug 2023 – Current)

Deploying software and AI applications for enterprise and start-up clients.

Selected Engagements:

DigitalX (ASX:DCC) (1 year)

Led a team of 4 developers to deploy an internal AI semantic search application for investment analysts. Reduced measured analysis task hours by 30%

- Architect and build of a Next.js web application and AI search system utilising Langchain, Fast API, AWS lambda.
- Led product management and iteratively deployed with feedback from users in the business.
- Engineered evaluation and measurement scripts and safety guardrails to validate model accuracy, implementing a confidence scoring system.

Digital Finance Cooperative Research Centre (1 year)

Engaged by the DFCRC as the technical lead for an industry client and a PHD researcher to build a cutting-edge AI research project for company corporate governance decision making.

- Designed multi-agent orchestration architecture in partnership with researchers to innovate business decision making processes.
- Built and deployed the systems outlined in their research.

Labrys.io (6 months)

Senior full-stack Web3 engineer for a Labrys engagement. I was embedded in a team of 7 developers and had ownership of multiple features.

- Full stack Next.js application with custom blockchain logic.
- Building systems for auth, KYC and reliable transactions.

Co-Founder & Software Engineer at Arbela (Sep 2021 – Aug 2023)

Led a funded software start-up to innovate investment research using novel methods and eventually AI.

- Raised $100k in funding from a consortium of investors including Woodside Energy and RAC's Betterlabs.
- Early adopter of RAG systems and Langchain to understand investment requirements.
- Built a novel semantic search flow across unstructured documents.
- React + Python build. Utilised data pipelines and NLP

Operations Analyst at Hanny Properties (June 2020 – June 2022)

Utilised data analytics to monitor ~$100m in property assets. Built technical financial models using python to analyse new property acquisitions.

Contracts Analyst at Roy Hill (Mar 2018 – Aug 2019)

Managed a $10M portfolio of contracts. Gained deep operational knowledge for the legal workflows that legal-tech SaaS aims to automate.

Intern at Centre for Policy Studies (Jan 2017 – Mar 2017)

Won an economics scholarship based on academic performance. Worked in a think-tank in Westminster, London. Published public policy articles in multiple papers.

Public Projects

Skimreader:
AI e-reader that I built for people with ADHD to assist with study accessibility. Scaled to over 500 users. Utilises a novel UX for LLMs. Includes a TTS streaming feature.
skimreader.ai/demo

Glue Net
The 'everything app' for blockchain. Owned features including onboarding, user portfolio, auth and rewards.
glue.net