

Melvin Darial Yogiana

Software Engineer and Full-Stack Developer

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Full-stack developer in Sydney who ships and then keeps it running: TypeScript and React on the front, Node and Postgres behind it, with the testing, access control and handover decisions that decide whether a thing survives the person who built it.

EXPERIENCE

Data Analyst and Automation Engineer Intern, Foresight Analytics May 2026 to present, Sydney AU

- Transformed LSEG and Bloomberg market data into the firm's internal reporting models, supporting analytics pipelines on Azure across investment diligence, ratings research and ESG datasets.
- Built and shipped an internal research dashboard in Next.js and TypeScript, giving the research team one view of fund manager coverage, approved and recommended product list status, classification and internal ratings.
- Modelled it on a SharePoint list read live through the Microsoft Graph API so the research team can maintain it without a developer after handover, with dashboard edits propagating back to the company SQL database.
- Implemented session-based authentication, role-restricted admin configuration and access-key gating for embedded delivery, plus a mock data mode enabling development without production tenant credentials.
- Built video automation pipelines generating recurring market-update content with Gemini, ElevenLabs and Remotion, plus n8n workflows streamlining internal data operations for a boutique investment intelligence firm serving 50+ Australian asset managers.

Azure, SQL, LSEG, Bloomberg, Next.js, TypeScript, Microsoft Graph, SharePoint, n8n, Databricks

Software Developer, UNSW x Atlassian Sep 2025 to Dec 2025, Sydney AU

- Led development of an enterprise Q&A system as top contributor with 121 commits, delivering a secure real-time audience interaction platform for Atlassian town halls.
- Designed and implemented three-layer end-to-end testing infrastructure across API, integration and UI, with an automated CI pipeline.
- Built backend services with SQL schema design, implementing structured data validation and access controls across resolvers and API endpoints.
- Developed a moderator dashboard with role-based permissions, audit trail tracking and session facilitation controls.

TypeScript, React, GraphQL, SQL, CI/CD, Testing

Frontend Lead, PPIA UNSW

Aug 2025 to Nov 2025, Sydney AU

- Led a 10-person cross-functional team with structured agile governance: daily standups, sprint reviews and documented workflows.
- Drove stakeholder alignment through bi-weekly demos with the PPIA board, translating feedback into 15+ feature enhancements.
- Mentored 4 junior developers on code review, Git workflows and development standards.
- Architected a component-based frontend enabling parallel development by 3 sub-teams without integration conflicts.

React, Next.js, Agile, Team leadership, Code review

SELECTED PROJECTS

Rate My Accom NSW, **production**. Next.js 14, TypeScript, Zod, React Hook Form, Jest

Haven, **private repo**. Kotlin, Jetpack Compose, Ktor, PostgreSQL, WebSockets

Ignite, **team of 10**. TypeScript, React, Supabase, PostgreSQL, Node.js

AI Confluence Q&A Helper, **COMP3900 capstone**, **team of 5**. Python, FastAPI, React, RAG, OpenAI

EDUCATION

Data and Cloud Engineering, Self-directed

2026 to present, DataCamp, Microsoft, Databricks

In progress

Bachelor of Science, Computer Science, University of New South Wales

2023 to 2026, GPA 3.00 / 4.00

Finished Jan 2026

First place, CSESoc Flagship Hackathon 2025

UNI HACK 2026, Most Fun Idea and Best Design

Terrible Ideas Hackathon, Most Absurd Idea with Best Execution

Diploma in Computer Science, UNSW College

2022 to 2023, Sydney AU

Completed

SKILLS

Software and web: TypeScript, React, Next.js, Node.js, Express, Supabase, PostgreSQL, Tailwind, WebSocket, Git

Data and analytics: SQL, Python, pandas, NumPy, dbt, Snowflake, PostgreSQL, Tableau, Looker, scikit-learn