William Blake

SOFTWARE ENGINEER

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LANGUAGES

TypeScript · JavaScript
Python · Java · SQL
HTML · CSS · Bash

FRAMEWORKS & TOOLS

React · Next.js · Node.js
REST APIs · MCP · PostgreSQL
Azure · Git · Cursor

EDUCATION

Bachelor of Computer and Information Sciences

Auckland University of Technology · 2023–2026

· Software engineering across TypeScript, Python, Java and SQL — building working systems, not just completing labs

· Built full-stack React/TypeScript apps, REST APIs and an OpenAI-powered product; practised Git, testing, review and shipping to real users

· Member of the AUT Computer Science & Engineering Association; Agile-style team delivery across design, build, review and test

INTERESTS

AI Integrations · APIs & MCP · Hard Product Problems · Complex Domains · Production Reliability

PROFILE

Software engineer at Dimension Software, building features across SQL, Python, React and TypeScript, and MCP integrations that connect AI tools to real business systems. Before that, led a five-person capstone team that shipped a clinical assessment tool for Health New Zealand, and built a production ML fault-detection model as a summer intern at Top Energy. Comfortable owning work from requirements through go-live and becoming useful in a complex domain quickly. Uses AI tools well (Cursor, Claude, Copilot), then reviews the result. Based in Auckland.

WORK EXPERIENCE

Software Engineer **Sep 2026 – Present**

Dimension Software

· Build features end to end across SQL, Python, React and TypeScript

· Design and integrate APIs, and build MCP (Model Context Protocol) servers and integrations that let AI tools work with real business systems

R&D Lead Engineer (AUT Capstone) **Jul 2025 – Jun 2026**

Health New Zealand / Te Whatu Ora – final-year capstone, alongside study

· Led a team of five building the ISNCSCI Assessment Tool, a React/TypeScript app for neurological classification of spinal cord injuries, deployed at a major NZ hospital; set the technical direction and managed the Supabase PostgreSQL database

· Built the clinician dashboard and profile section; owned work through requirements, testing, go-live and support, iterating with non-technical clinical users on awkward flows

· Used Cursor and Claude daily across the SDLC, with judgement about where AI helps and where it needs a human

Digital Systems Engineer (Summer Internship) **Nov 2025 – Feb 2026**

Top Energy Ltd

· Built cloud data and ML workflows on Azure against real infrastructure — including a production fault-detection model on pole imagery (95% accuracy and recall) that replaced days of manual work

· Delivered integrations across SharePoint, Entra and FME that had to keep working when source systems were messy — mapping flows, diagnosing failures, and owning reliability in production

· Led practical Copilot adoption: used AI to move faster on implementation and docs, reviewed generated code before it shipped, and shared that judgement with the team

PROJECTS

Online Pub Quiz (Trivia on Tap) **2024**

Team of four. Full-stack quiz app using OpenAI's API for live question generation, with scoring, persistence and multi-user flows

Designed the frontend, including the dashboard and button interactions

React · TypeScript · Tailwind · Supabase · OpenAI API