
Laurie Williams

Fractional CTO & Founder | Principal Engineer

Technical Strategy | Delivery Confidence | System Stability

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Professional Summary

Fractional CTO, founder, and principal engineer with 10+ years delivering production mobile and web platforms across aviation, health, insurance, fintech, media, property, and IoT.

I step into messy technical environments where delivery has slowed, architecture has drifted, ownership is unclear, or risk is compounding faster than the team can explain.

I work across technical strategy, architecture, delivery recovery, stakeholder communication, and team capability to make the real constraint visible and return systems to something stable, predictable, and boring.

By "boring", I mean reliable, repeatable, low-drama systems that teams can understand, change, and ship safely.

Stabilisation Proof

- **Southern Cross:** moved a stalled enterprise rebuild from not shipping to daily releases.
- **Air New Zealand:** helped deliver AI customer support capability that reduced contact centre wait times by **97%**.
- **GCD:** designed a mobile delivery strategy that avoided a full rebuild of existing web and backend infrastructure.
- **Inspected:** built founder-led inspection software for offline workflows, evidence capture, and audit-ready records.
- Improved release confidence through clearer architecture, QA flow, and team ownership.

Core Skills

Technical Strategy & Leadership: Technical strategy, architecture direction, delivery stabilisation, engineering standards, stakeholder communication, risk identification, mentoring

Frontend & Mobile: React Native, React, Next.js, TypeScript, Expo, Redux, frontend architecture, component systems

Backend & Integration: Node.js, GraphQL, REST APIs, Firebase, AWS, third-party integrations, legacy system integration

Quality & Delivery: CI/CD, regression risk reduction, QA flow, release confidence, Jest, React Testing Library, Cypress, E2E testing

DevOps & Tooling: Docker, GitHub Actions, Bitrise, Fastlane, build pipelines, release automation

Professional Experience

Founder and CEO

Inspected, Auckland | Oct 2022 - Present

Founder of Inspected, inspection software for field teams, compliance workflows, offline use, evidence capture, and audit-ready records.

- Own product strategy, roadmap, pricing, positioning, technical architecture, and commercial direction.
- Designed offline-first inspection workflows around structured evidence capture, photos, notes, signatures, site context, and audit trails.
- Translate real-world inspection and compliance processes into reliable digital workflows that reduce operational risk.
- Built the product around a simple principle: inspection work should be traceable, repeatable, and operationally reliable.

Principal Engineer, Contract

ClearPoint, Auckland | Nov 2025 - Jan 2026

Principal engineer across customer and operator systems, focused on reliability, maintainability, and technical direction.

- Improved frontend reliability across customer and operational systems.
- Provided guidance on architecture, structure, performance, and maintainability.
- Supported delivery decisions balancing system complexity, customer impact, and long-term maintainability.
- Helped teams identify practical improvements without unnecessary rebuilds or architectural churn.

Principal Software Engineer, Contract

Green Chili Web Design, Auckland | Jun 2025 - Dec 2025

Principal engineer helping a client create a mobile app without rebuilding their existing website, backend, and operational infrastructure.

- Defined the mobile platform strategy for the Airport Rentals rebuild.
- Architected the React Native app while preserving the value of the existing platform.
- Helped avoid duplicated product surfaces, fragmented logic, and long-term operational cost.
- Improved CI/CD, testing discipline, and release flow to reduce regression risk.
- Produced architectural documentation to accelerate onboarding and maintainability.

Technical Lead

Infosys, Client: Southern Cross Health Society, Auckland | Oct 2022 - Jul 2025

Technical lead on a large-scale enterprise rebuild of staff-facing legacy systems into a micro-frontend and micro-backend architecture.

When I joined, the programme was not shipping. The team did not understand the architecture, delivery pressure was masking the real risk, and significant architecture and delivery issues needed to be made visible.

- Helped rebuild the technical architecture and delivery direction.
- Trained developers to understand and work within the architecture.
- Supported squad delivery and turned unclear execution into repeatable delivery.
- Made leadership aware of technical and delivery risks, with a practical recovery path.
- Improved QA flow so testing became effective rather than performative.
- Moved the team from not shipping to daily releases, with clearer architecture, stronger ownership, and better delivery confidence.

Technical Lead

Infosys, Auckland | Aug 2021 - Sep 2022

Technical lead across enterprise client engagements, focused on frontend delivery, mobile architecture, and engineering standards.

- Led frontend and mobile delivery initiatives across enterprise clients.
- Improved engineering standards, technical direction, and delivery predictability.
- Supported teams through architecture decisions, implementation planning, code reviews, and delivery sequencing.

Senior Software Engineer, Contract

Air New Zealand, Auckland | Sep 2023 - Jul 2024

Senior engineer on enterprise airline systems supporting customer service, operational visibility, and real-time flight information.

- Helped deliver AI customer support capability that reduced Air New Zealand contact centre wait times by **97%**.
- Worked on real-time operational infrastructure giving ground staff, crew, and passengers faster access to flight events, delays, and incident information.
- Built customer-facing and operational systems where reliability, clarity, and timing directly affected customer experience.
- Worked across product, engineering, and operational constraints in a high-volume enterprise environment.

Senior Software Engineer

Dovetail, Auckland | Oct 2020 - Jul 2021

Senior engineer contributing to high-scale fintech product delivery for Afterpay.

- Contributed to Afterpay mobile app redesign and feature delivery.
- Delivered frontend product work inside a fast-moving consumer fintech environment.
- Worked within established engineering standards where reliability, usability, and customer trust mattered.

Earlier Experience

Contract React Native Engineer | NZ Funds, Auckland | Sep 2020 - Nov 2020

Built customer-facing mobile features and performance improvements for financial product flows in a regulated environment.

Senior Frontend Developer | Osynlig, Auckland | Dec 2019 - Jun 2020

Delivered scalable frontend solutions across client-facing web products, focused on maintainability, React development, and delivery planning.

Contract Senior Software Engineer | Flossie, Auckland | Jul 2019 - Nov 2019

Built booking software and campaign landing pages for appointment, customer acquisition, and service workflows.

Senior Software Engineer | Den Automation, London | Oct 2017 - Jul 2019

Built smart home mobile apps from prototype to production across IoT, connected device workflows, and user-facing mobile experiences.

Contract Software Developer | Self-employed, Auckland | Mar 2015 - Oct 2017

Delivered custom mobile and web solutions across frontend development, integrations, client communication, and end-to-end project delivery.

Analyst Programmer | Vestastore, Auckland | Jan 2013 - Feb 2015

Built ecommerce product ingestion systems and tools for product data processing, catalogue management, and ecommerce workflows.

Education

Bachelor of Information and Communication Technology

UCOL | 2011 - 2013