

Lewis Campbell

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Objective

My career so far has been business focused - technical work for non-technical stakeholders. But my interests are technical; event sourcing, local first, and the 'logistics of data'. I seek work that aligns with these interests.

Professional Experience Summary

- Modeled data using document, relational and key-value databases.
 - Senior experience as a Technical Lead and Solutions Architect.
 - Developed & lead teams for operational software used in the logistics, industrial, and agricultural sectors.
 - Diverse tech experience, including C++, F# and Javascript.
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Career Timeline

Sabbatical

2023

- Self studied distributed systems & databases; with a focus on systems that allow updates without coordination over the network.
- Learned Rust, and started to learn about how disk storage works.
- Started 'Interlog'; a local first, direct IO distributed log.

Contracting

Solution Architect @ Unique Excellence (Supply Chain Consulting)

Australia (Remote) • 2022

- Undertook operational analysis of a software solution deployed in Aid Posts in remote regions of Papua New Guinea.
- Proposed solutions which addressed challenging local conditions; poor connectivity, slow turnaround times, and lack of transparency.
- These reports formed the technical component of a longer term proposal to The Global Fund.

Software Engineer @ Farmbot Monitoring Solutions (Remote Water Monitoring)

Australia (Remote) • 2021-2022

- Developed key features so customers could migrate to their new web app.
- Improved performance by migrating client side data to a new database.
- Tech: Typescript, React.js, IndexedDB

Technical Lead @ Aglive (Supply Chain Traceability for Livestock)

Australia (Remote) • 2020-2021

- Led integration of IoT devices for satellite-based livestock monitoring, securing the company's first North American customer.
- Led development of an end-to-end demo for Telstra, Australia's largest telecommunications company.
- Project manager for end-to-end verification of high-end Australian beef from farm to fork.
- Tech: Typescript, React.js, Node.js, Nest.js, MongoDB

Software Engineer @ Derp Technologies Ltd (Web Development Agency)

New Zealand (Remote) • 2020

- Developed notification system to alert cool store professionals of actionable events relating to atmospheric conditions.
- Migrated Javascript app to strictly-checked Typescript, by way of JSDoc annotations.
- Replaced paid theme (7k lines of SASS) with 1k lines of CSS without changing appearance.
- Developed MVP for a geofilter application, leveraging Google Maps API.
- Tech: Javascript, Typescript, Google Maps, React.js

Software Engineer @ Election Services

Auckland, New Zealand • 2020

- Updated legacy system to prepare for the 2016 Local Government elections in New Zealand.
- Diagnosed memory issues with Valgrind.
- Tech: C++, Qt, Valgrind, Postgres

Software Engineer @ NovoTech Ltd (Airport Maintenance Software)

Auckland Airport, New Zealand • 2014

- Developed work and parts scheduling app for maintenance crews at the Engineering & Emergency Services department.
- First job out of university. No supervisor, project manager, or predefined requirements.
- Delivered ahead of schedule.

Employment

Programmer Analyst @ Allflex Livestock Intelligence (Manufacturing & Distribution)

Palmerston North, New Zealand • 2016-2020

- Second-in-command for IT across Australasia.
- Maintained critical legacy system, where any downtime could halt production at multiple factories.
- Led development of new order processing API for our largest client.
- Authored comprehensive and only business process documentation for our factories.
- Close collaboration with Customer Service and Production departments to handle new products and increased demand.
- Gained end-to-end supply chain insights by working on a system tracking order processing, job scheduling, production, quality control, and dispatch.
- Tech: C#, .NET, SQL Server

Junior Developer @ Gensolve (Practice Management Software)

Wellington, New Zealand • 2014-2015 (Office closed)

- Part of global team doing server side maintenance programming.
- Worked directly with customers to implement features and resolve issues.
- Tech: C#, Oracle Database