Kevin Chen

Epping, Sydney NSW, Australia
+61 432 993 895 • chenning.0515@gmail.com
linkedin.com/in/ning-chen-00420a65

Lead .NET Engineer with 15 years building logistics systems that cannot go down. Backend architecture owner for a multi-tenant transport management platform moving over 2,000 courier jobs a day, peaking above 5,300, across four tenant databases in two countries from a single codebase. Deep SQL Server practitioner: owns a schema of 1,700+ stored procedures evolved forward-only through 1,600+ tracked migrations, and tunes it. Led the ground-up rewrite of the route-planning system on .NET 10, and the migration of source control and CI from Azure DevOps to GitLab. Uses Claude Code with MCP tooling in production daily. Sydney-based; New Zealand citizen with full Australian work rights and no sponsorship required.

Technical Skills

- **Languages and frameworks**: C#, .NET 8, .NET 10, ASP.NET Core, Web API, T-SQL, TypeScript, React.
- **Data and performance**: SQL Server, stored procedures, query tuning, indexing, execution plan analysis, deadlock diagnosis, EF Core 8, Dapper, DbUp migrations, Redis.
- **Architecture**: multi-tenant SaaS, Clean Architecture, domain-driven design, SOLID, REST and OpenAPI design, per-tenant abstraction, legacy modernisation.
- **Cloud, DevOps and testing**: Amazon Web Services (AWS): S3, Secrets Manager, SES, Pinpoint SMS, STS/SSO. Also Docker, GitLab CI, Azure DevOps, Git, xUnit, NSubstitute, Playwright, Serilog.
- **Applied AI**: Claude Code in daily production use, Model Context Protocol servers wired into SQL Server and GitLab, written guardrails for running an agent against a production schema.
- **Integrations**: Stripe, SMPP, NZ Post, HERE Maps, Google Maps, webhooks.
- **Domain**: courier despatch and transport management, route planning and optimisation, linehaul and first/final-mile routing, recurring and scheduled booking, rating and pricing engines, geographic coverage modelling.

Professional Experience

- **Urgent Couriers Limited** — **Auckland, New Zealand**
  Lead .NET Engineer — *2010-Present*
  New Zealand courier and logistics operator; United States operations trade as Deliver Different (DFRNT). Progressed .NET Developer to Senior to Lead.
  - Own the backend architecture of a multi-tenant transport management platform moving over 2,000 courier jobs a day, peaking above 5,300, across four tenant databases in two countries from one codebase.
  - Own a SQL Server schema of 1,702 stored procedures, 819 tables and 1,860 indexes, evolved forward-only through 1,632 tracked DbUp migrations, 651 of which I authored or revised.
  - Build per-tenant abstractions and an override-delta model so country-specific rules stay out of shared code paths, holding the New Zealand and United States schemas within 1% of each other.
  - Set the Clean Architecture, DDD, SOLID and code-review standards the team works from; mentor five junior and mid-level engineers.
  - Maintain 28 architecture reference documents and dated handover briefs another engineer can resume from cold.
  - Delivered 30 written specifications to deployed status in the last 12 months; 2,179 commits across 21 repositories since 2017.

Selected Projects

- **Route-planning platform rewrite**
  .NET 10, TypeScript, HERE Maps — *2026*
  Led the ground-up replacement of a legacy AngularJS route-planning tool: 465 C# and 381 TypeScript files, driven to feature parity against the original and verified with 22 Playwright browser tests before cutover.

- **Integration API modernisation**
  WCF to .NET 8 *2017-2026*
  Migrated a WCF-era customer integration API to .NET 8 across 221 commits, keeping the legacy bindings live throughout so no existing customer integration had to change.
- **Source control and CI migration**
  Azure DevOps to GitLab CI *2025*
  Moved the estate off Azure DevOps onto GitLab CI and containerised services with Docker across eight repositories, without pausing feature delivery.
- **Production deadlock resolution**
  SQL Server
  Diagnosed recurring SQL Server deadlocks under bulk upload and fixed them with a targeted batch-commit retry, ending a weekly upload failure for the largest client.
- **Agentic tooling in production**
  Claude Code, Model Context Protocol
  Wired MCP servers into SQL Server and GitLab so an agent can read schema and pipeline state directly, and wrote the guardrails that make it safe to point at a production database. In daily use across the team's work.

Education

- **Whitireia Community Polytechnic** **New Zealand**
  Bachelor of Information Technology *2007-2010*
  Software development, databases and systems.

Languages and Work Rights

- English (fluent, professional working proficiency), Mandarin (fluent).
- New Zealand citizen, Special Category Visa (SCV 444). Full Australian work rights, no sponsorship required.

References

- Available upon request.