

Kristof Ringleff

Senior Software Engineer

✉ kristof@ringleff.net

📍 Auckland

🇳🇿 NZ Citizen

📁 Contract or permanent

✅ Immediate availability

Web kristof.ringleff.net **GitHub** github.com/kristof-ringleff **LinkedIn** linkedin.com/in/kristofringleff

PROFILE

Senior software engineer with 15+ years of hands-on experience building, integrating and running production software. Full-stack, specialising in Node.js, TypeScript and AWS serverless, with a particular strength in reliable systems connecting e-commerce, payment and accounting platforms. Experienced across the full software lifecycle, from solution design and implementation through to deployment and production support.

Founded and built Fooman, whose products have served more than 11,000 paying customers in 160+ countries. Rebuilt its Xero integration as a Node.js platform on AWS Lambda and DynamoDB in eight weeks, cutting infrastructure cost by around 89%. It now syncs more than \$250 million in transactions a year. Building and growing a software business has given me a clear understanding of the commercial impact of engineering decisions.

Now looking to join an engineering team full-time to help it deliver, through sound technical decisions, close collaboration across teams and constructive code review.

CORE COMPETENCIES

Languages & Frameworks

Node.js · TypeScript · JavaScript · React · PHP · MySQL

AWS & Serverless

Lambda · DynamoDB · API Gateway · CloudFront · ECS/Fargate · KMS · SQS / SNS · Infrastructure as Code (CDK / CloudFormation)

APIs & Integration

REST · GraphQL · OAuth 2.0 & Token Management · Xero API · Payment Gateway Integration · Event-Driven Architecture

Engineering Practices

Automated Testing · Test-Driven Development · Code Review · CI/CD · Docker · Production Support

AI-Assisted Development

AI Coding Agents · Agentic Development Workflows · GitHub Issue-Driven Delivery · MCP Servers

Domains

E-commerce (Adobe Commerce) · Accounting Integration (Xero) · Payments · Subscription Billing

EXPERIENCE

Selected Recent Projects

2026

Symposium (open source) · Go · Kubernetes · AI Agents

Contributor to a Kubernetes-native platform for running AI agents, working in Go with AI coding agents. Delivered harness mode, which runs external agent harnesses on the platform and rejects runs that ask for features a harness cannot support. Added gate-driven retries, so a run that fails a quality check reruns without losing track of its delegations, schedules or callers. Also built file-editing and context-management tools for the agent runtime.

Property Price Tracker · TypeScript / Node.js · MCP · GitHub Actions

Built a Trade Me property price tracker with AI coding agents working from GitHub issues, test-first. Includes its own MCP server so AI assistants can query the data.

Health App · Swift · Apple HealthKit · AWS Bedrock

Built an iOS app that reads Apple Health data and adds AI features through AWS Bedrock.

Founder & Lead Engineer

2008 – Present

Fooman

Product software company for e-commerce, payments and business system integrations. Worked across the Adobe Commerce (Magento), Xero, Payment Express (now Windcave) and Vend (now Lightspeed) ecosystems. Technology partner to Adobe Commerce and Xero. Software used by New Zealand and global brands including Panasonic, Les Mills, Weta Workshop, Flybuys, PGG Wrightson, Guinness and Nespresso.

- Wrote and maintained 18+ commercial products in PHP and Node.js, used by more than 11,000 paying customers in 160+ countries.
- Built CI/CD pipelines, automated tests and Docker development environments for every product.
- Maintained compatibility across multiple Adobe Commerce and PHP versions at once, with automated tests run against each supported combination.
- Built and ran production integrations connecting Magento/Adobe Commerce stores to the Xero and payment gateway APIs.
- Handled technical support personally, seeing first-hand how the code behaved in production.
- Led up to six part-time contractors across development, support, marketing and finance. Reviewed code for and mentored the developers, and set the standards they worked to.
- Met the certification requirements of the Adobe Commerce Marketplace and Xero App Store: code quality, security, performance and error handling.
- Delivered 200+ customisation projects for merchants and agencies, from requirements through to production.
- Founded ExtDN, aligning up to 20 extension companies on shared code quality standards.

Serverless Integration Platform – Fooman Connect for Xero (2020)

Node.js · AWS Lambda · DynamoDB · API Gateway · CloudFront · KMS · OAuth 2.0 · Amplify · CI/CD

Rebuilt the Xero integration as a central Node.js platform on AWS serverless. Xero's mandatory move to OAuth 2.0 set a fixed deadline. Chose serverless over containers because load was spiky: it scales with demand and charges only for use. Delivered in eight weeks with no service interruption, and cut infrastructure cost by around 89%. Built OAuth 2.0 token handling with KMS-backed storage and achieved Xero Verified App status. Syncs around 45,000 transactions a month, worth more than \$250 million a year. Still running and supported in production.

Legacy Platform Modernisation – E-commerce Migration (2019 – 2020)

React · GraphQL · Subscription Billing · SEO · AWS Lambda · AWS CloudFront · CI/CD · Cypress

Rebuilt Fooman's 10-year-old e-commerce platform as technical lead. Built a GraphQL API layer and a new React frontend, served through AWS Lambda and CloudFront, with browser tests in Cypress. Brought in a contractor with React experience but new to Adobe's PWA Studio and to e-commerce, and mentored them through the build. Replaced the billing provider and moved to a new domain. Kept the full order history of 40,000+ orders and all customer accounts. Organic search traffic and revenue held through the switch.

Platform Re-Architecture – Magento 1 to Magento 2 (2016 – 2018)

PHP · Composer · Adobe Commerce

Rewrote the full product portfolio for Magento 2, a new architecture built on Composer and dependency injection. Kept customers supported on Magento 1 in parallel throughout.

Payment Integration – Payment Express, now Windcave (2010 – 2018)

PHP · Magento · Payment Gateway Integration

Built and maintained the most widely used Magento extension for the provider at the time, integrating four Payment Express APIs (PxPay, PxPost, PxFusion and Web Service). Kept card data off merchant servers. Drove order status only from server-to-server confirmation, not the customer's browser redirect.

Portfolio Engineering (2009 – Present)

Adobe Commerce · Composer · Docker · CI/CD · Automated Testing · AWS Fargate

Built a private Composer distribution for licensed packages on AWS Fargate, with CI/CD and automated testing for every product.

Earlier Technical & Operational Experience

Various

Ran operations for the Skinit business unit at Telegistics, Auckland, across Telecom New Zealand's (now Spark) national retail network, and built the Telegistics website CMS. Merchandising co-ordinator in Telecom New Zealand's merchandising team, Auckland. Technical animation and 3D compositing for Deutsche Telekom, Berlin. Contract web development for a German foreign policy research institute, Berlin.

INDUSTRY RECOGNITION

Magento Master, 2016 – 2018. 1 of 20 worldwide for three consecutive years.

Conference speaker, 2012 – 2019. Magento Imagine (USA), Magento Live (UK and Australia) and NZ and European events, on platform architecture and dependency management.

EDUCATION

Offenburg University of Applied Sciences

Diplom-Ingenieur (FH), Media. Equivalent to a Bachelor of Applied Computing in New Zealand.

AVAILABILITY

Contract or permanent · Remote / Auckland in-person / Hybrid · Immediate availability