

Dick Vlaanderen

Full-stack Software Engineer · AI-Enabled Delivery

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PROFILE

Full-stack engineer with deep experience shipping production software across web and cloud platforms. Comfortable across modern JavaScript and TypeScript frontends, backend services, and cloud deployment, with a growing focus on AI-enabled delivery — integrating Claude Code, LLM-powered workflows, and agent-based tooling into real production systems.

Pragmatic about trade-offs, happy in ambiguous problem spaces, and focused on shipping code that works in production. Equally at home in small product teams and client-facing delivery.

CORE COMPETENCIES

Languages & Frontend	JavaScript · TypeScript · React · Angular · HTML / CSS · Python
Backend & APIs	NodeJS · REST APIs · C# / .NET Core & Framework · Python / Django / FastAPI + SQLAlchemy · Java
Cloud & DevOps	AWS · Azure · Docker · CI / CD · Containerisation
Data	SQL Server · MySQL · MongoDB · Query optimisation
AI-Enabled Delivery	Claude Code · LLM integration · Agent-based workflows · AI-assisted development
Ways of Working	Agile delivery · Automated testing · Code review · Clean code · Mentoring

EXPERIENCE

Senior Software Engineer · 14thStreet, Hamilton (Remote Anywhere) *Sep 2025 – Present*

- Deliver full-stack solutions in TypeScript, React, and .NET for client-facing production systems
- Build and ship scalable REST APIs and modern frontends, collaborating closely with product, UX, and DevOps
- Integrate LLM-powered workflows and AI capabilities into production systems with a focus on practical business value
- Apply CI/CD, automated testing, and container-based deployment as standard practice

Technology: Python, FastAPI, Javascript, Typescript, React, Tailwind, Docker, PostgreSQL, SQLAlchemy, Redis, AWS, Generative AI.

Web Mentor (Part-time) · Code Institute, Ireland (Remote Anywhere) *2019 – 2026*

- Mentor students through full-stack projects in JavaScript, Python, Django, and React
- Support problem-solving, code review, and development best practices

Technology: Python, HTML, JavaScript, CSS, Django, Flask, Machine Learning

Software Developer · ModuSense/Devinci Group, Hamilton (Remote Anywhere) *2022 – 2023*

- Maintained and enhanced a React-based SaaS platform enabling companies to monitor and manage IoT devices at scale, delivering real-time operational insights to enterprise customers.
- Collaborated across a distributed engineering team, working with Docker, MongoDB, and an event-driven messaging system to build reliable, scalable services.
- Automated cloud infrastructure provisioning using AWS CloudFormation, replacing error-prone manual configuration with repeatable IaC pipelines and deploying the Performance App to region-specific endpoints for reduced latency.
- Resolved a critical performance bottleneck on a high-traffic device listing page: redesigned the data access layer to consolidate 3-per-device queries across PostgreSQL and SQL Server into 3 total queries, slashing page load time from 30 seconds to under 1 second.

Technology: React, JavaScript, TypeScript, WebSocket, Redux, PostgreSQL, SqlServer, Firebase, AWS and Sentry.

Software Developer · Company X, Hamilton (Hybrid) *2019 – 2022*

- Delivered business solutions for Cisco as a senior frontend developer, working across Angular, Docker, Java, Tomcat, MongoDB, RabbitMQ, and Gravity Workflow Automation.
- Implemented end-to-end test coverage using Cypress, improving release confidence across the product suite.
- Supported the SmartTrak vehicle tracking system.
- Contributed to the development of the Traffic Count Estimation (TCE) platform for Transport Insights, built on behalf of Te Ringa Maimoa (Road Efficiency Group). TCE automates the calculation of seasonally adjusted Average Annual Daily Traffic (AADT) from raw count data, replacing a highly manual, spreadsheet-based process used by Road Controlling Authorities across New Zealand.

Technology: C#, .Net, Linux, React, Javascript, AWS, Jira

Software Developer · Marathon Photos, Hamilton (Office) *2010 – 2013*

- Developed backend features for an event photography platform, enabling athletes to find and purchase photos from marathons, triathlons, and other sporting events.
- Designed and built a payment gateway supporting multiple payment methods, allowing customers worldwide to purchase their event photos and directly increasing platform revenue.

Technology: Python, Javascript, jQuery, HTML, CSS

Software Developer · John Austin Ltd, Te Awamutu (Remote Anywhere) *2001 – 2022*

- Designed, built, and maintained a bespoke job management platform used in production for many years

- The system guided office staff through structured order entry (paddock, crop, chemicals, access notes), added a scheduling layer tracking driver/tractor/implement availability, and provided digital field job cards flowing directly into billing — eliminating double entry.
- Led full architectural migration from legacy PHP to a modern SPA (AngularJS + Django) with zero disruption to the business
- Owned the full client relationship: requirements, scoping, delivery, and ongoing support

Technology: PHP, Python, Django, MongoDB, MySQL, Linux, Leaflet, OpenStreetMap, jQuery, Web socket, AngularJS

EDUCATION & CERTIFICATIONS

- Zend Certified PHP Engineer
- MCSE – Microsoft Certified Systems Engineer
- CNE – Novell Certified Engineer
- Diploma-level studies in Computer Programming

ADDITIONAL

- Languages: English, Dutch
- Eligible to work in New Zealand
- Based in Otorohanga, Waikato — within easy commute of Hamilton and able to travel to Auckland for team gatherings