

Thomas Stanley Coleman

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Senior Software Developer with 5+ years of experience engineering high-performance C# backend services, REST APIs, and scalable web applications. Proven track record of architecting component-level systems, modernizing legacy enterprise frameworks, and implementing automated testing standards. Active practitioner of AI-driven engineering tools (Claude Code, Cursor, GitHub Copilot, ChatGPT) to accelerate development cycles and boost code quality, including building agentic workflow automations with MCP integrations. Skilled in domain-focused design, SQL maintenance (PostgreSQL, Oracle), and guiding cross-functional teams through technical mentorship and code reviews.

TECHNICAL SKILLS

- **Languages:** C# (.NET), Java, TypeScript, JavaScript, Node.js, PHP, SQL (PostgreSQL, Oracle, MySQL), Ruby, Python (scripting), Google Apps Script
- **Frameworks & Libraries:** ASP.NET Core, Entity Framework Core, React, REST APIs, HTML, CSS, three.js, Android SDK, Vite
- **Testing & QA:** NUnit, AutoFixture, Postman, Selenium, Cucumber
- **Tools & Methodology:** GitHub, Docker, Keycloak (OAuth 2.0/OIDC), JIRA, Rider, Visual Studio, QGIS, cPanel, Google Workspace, Obsidian, Agile/Scrum
- **AI & Automation:** Claude Code, Claude (agentic workflows, scheduled tasks), Model Context Protocol (MCP) connectors, Cursor, GitHub Copilot, ChatGPT

PROFESSIONAL EXPERIENCE

Copperleaf | May 2020 – December 2025

Senior Software Developer (Jan – Dec 2025) · **Software Developer** (May 2020 – Dec 2024)

- **Converted from a one-year contract to full-time** within four months (Sept 2020).
- **Accelerated delivery for Enbridge** by refactoring and modernizing a legacy framework that external contractors had struggled to stabilize for **nearly two years**; completed complex model changes within a **single sprint**.
- Optimized project efficiency for Network Rail's "WireRuns" model, delivering the final product **45% under the client's estimated budget** and **18% under internal senior-level benchmarks**.
- Developed and maintained core frameworks using **C#** business logic and **YAML**-based configuration to support enterprise-level decision analytics.
- Authored and optimized **SQL** scripts for Oracle databases, ensuring data integrity during critical system updates for global infrastructure clients.
- Standardized testing protocols by implementing automated unit tests (**NUnit**, **AutoFixture**), increasing code coverage and reducing manual QA cycles.
- Streamlined team growth by **leading technical interviews and onboarding new engineering hires**, contributing to a 20% increase in team capacity.
- Collaborated directly with customers to design and implement complex financial models that received high stakeholder approval.

NetApp | Software Developer in Test (Co-op) | May 2019 – August 2019

- Developed automated test suites using **Ruby**, **Cucumber**, and **Selenium** for the StorageGRID product, covering feature validation and regression testing.

Move Canada | Software Developer (Co-op) | September 2017 – August 2018

- Built and optimized backend services and internal tools using **JavaScript** and **Node.js**.
- Validated **REST** endpoints using **Postman** and utilized **SQL** to troubleshoot customer configuration issues.
- Actively participated in a 10-person **Scrum** team; extended for an additional work term based on productivity and impact.

Copperleaf | Software Developer (Contract) | May 2017 – August 2017

- Built technical prototypes in **Java** and **PostgreSQL** to optimize asset bundling and survey frequency.
- Utilized **QGIS** and **PostGIS** to visualize and analyze spatial data and business risk models.

PROJECTS

Multi-Tenant SaaS API (C#, .NET 8, PostgreSQL, Keycloak) | September 2026

- Built an **ASP.NET Core** Web API with shared-schema multi-tenancy, enforcing tenant isolation centrally via **EF Core** global query filters and fail-closed write validation.
- Integrated **Keycloak** (OIDC) role-based access control and a **React/TypeScript** tenant console (Authorization Code + PKCE), run locally with **Docker Compose**.

AI-Powered Job Search Automation (Claude, MCP, Google Drive API) | September 2026

- Built an agentic daily workflow using **Claude** scheduled tasks and **MCP** connectors (Indeed, Google Drive) that filters and prioritizes postings, de-duplicates against a **Google Sheets** tracker, and drafts tailored resumes and cover letters.

EDUCATION

University of British Columbia | B.Sc. Computer Science (Co-op Program) | May 2020