

Cole Morton

Senior Software Engineer | AI-Augmented Development | Full-Stack Architecture

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 [LinkedIn Profile](#)  [Personal Website](#)  [GitHub Portfolio](#)

Professional Summary

Senior Software Engineer with 11+ years building production systems across fintech, healthtech, and digital commerce. Expert in AI-augmented development practices, having architected and deployed enterprise-grade content systems processing 18+ financial APIs with institutional-quality outputs. Recently relocated to Brisbane from Berlin, bringing global perspective and modern development approaches to Australia's thriving tech ecosystem.

Core Competencies

- Architected production systems handling 100+ institutional-grade financial analyses
- Pioneer in AI-orchestration development with 21-command Claude integration system
- Full-stack expertise across React, TypeScript, Node.js, Python ecosystems
- Executive-level experience: 5 years autonomous technical decision-making
- Active GitHub contributor (daily 1+ years): 28,500+ lines of maintained code

Technical Skills

Languages & Frameworks

TypeScript

JavaScript (ES6+)

Python

React 19

Node.js

Astro

GraphQL

.NET

AI & Automation

Claude AI orchestration

OpenRouter integration

Cursor IDE

GitHub Copilot

Cloud & Infrastructure

AWS

Netlify

Docker

CI/CD pipelines

GitHub Actions

Data & APIs

RESTful APIs

Contract-driven architecture

18+ financial API integrations

Methodologies

Agile/Scrum

TDD

DRY, SOLID, KISS

Fail-fast principles

Professional Experience

Founder & Principal Engineer

Self-Directed Software Development

October 2020 - Present

Berlin, Germany → Brisbane, Australia

Led executive-level technical initiatives building production-grade financial analysis systems, demonstrating enterprise architecture capabilities typically found in CTO/Principal Engineer roles.

Key Achievements:

- ▶ **Sensylate Platform:** Architected GenContentOps system with sophisticated 21-command AI orchestration, processing financial data into institutional-grade content with 9.2/10 quality metrics
- ▶ **Production Scale:** Generated 100+ fundamental analysis reports meeting institutional standards through automated DASV (Discovery-Analyze-Synthesize-Validate) framework
- ▶ **Technical Leadership:** Made architectural decisions impacting 28,500+ lines of production code across Python and TypeScript, maintaining daily GitHub activity
- ▶ **API Integration:** Designed contract-driven data pipeline integrating 18+ financial APIs with intelligent caching and comprehensive error handling
- ▶ **Quantitative Systems:** Built comprehensive trading analysis toolkit with backtesting, portfolio optimization, and risk management capabilities

Technologies: Python, React 19, TypeScript, Astro 5.7.8, Claude AI, TailwindCSS, Plotly

Senior Software Engineer

Oetker Digital GmbH

July 2018 - October 2020

Berlin, Germany

Delivered multiple high-impact projects in fast-paced product environment, adapting quickly to diverse technology stacks and business requirements.

Key Achievements:

- ▶ **Frontend Architecture:** Led frontend architecture decisions for multi-brand e-commerce platform serving millions of users
- ▶ **GraphQL Migration:** Implemented GraphQL migration reducing API calls by 60% and improving page load times
- ▶ **Technical Mentorship:** Mentored junior developers in React best practices and modern JavaScript patterns
- ▶ **Feature Delivery:** Delivered 15+ production features meeting aggressive deadlines without compromising quality

Technologies: React, Vue.js, TypeScript, GraphQL, Node.js, AWS, Docker

Senior Frontend Developer

Panorama Berlin

March 2018 - June 2018

Berlin, Germany

Led development of innovative mobile-first Progressive Web Application for major fashion events.

Key Achievements:

- ▶ **PWA Architecture:** Architected offline-capable PWA with QR scanning, enhancing attendee experience for 5,000+ users
- ▶ **Service Workers:** Implemented service workers achieving 100% offline functionality for critical features
- ▶ **Open Source Contribution:** Open-sourced Peach UI component library, adopted by 3 internal teams

Technologies: React, Apollo GraphQL, Service Workers, PWA, Mobile-first design

Senior Software Developer

CrossLend GmbH (Fintech)

July 2015 - June 2016

Berlin/Luxembourg

Contributed to core lending platform handling €50M+ in transactions with focus on reliability and performance.

Key Achievements:

- ▶ **Real-time Trading Dashboard:** Developed real-time trading dashboard processing 1,000+ transactions per minute
- ▶ **Test Coverage:** Implemented comprehensive test suite achieving 95% code coverage
- ▶ **CI/CD Optimization:** Reduced deployment time by 70% through CI/CD pipeline optimization

Technologies: React, Redux, Node.js, PostgreSQL, TDD, CI/CD

Software Developer

Charm Health

January 2012 - April 2013

Brisbane, Australia

Built enterprise healthcare solution for Chris O'Brien Lifehouse at Royal Prince Alfred Hospital, Sydney.

Key Achievements:

- ▶ **Patient Management:** Developed patient management modules serving 10,000+ cancer patients
- ▶ **Real-time Synchronization:** Implemented real-time data synchronization using SignalR
- ▶ **System Reliability:** Achieved 99.9% uptime for critical healthcare systems

Technologies: .NET, Silverlight, WCF, SignalR, Entity Framework, SQL Server

Software Developer

ISAC New Zealand Ltd

October 2009 - January 2012

Auckland, New Zealand

Developed commercial freight tracking system for DHL Global Freight and internal time management tools.

Key Achievements:

- ▶ **Door2More System:** Built Door2More freight tracking system processing 50,000+ shipments monthly
- ▶ **Process Automation:** Reduced manual tracking time by 80% through automation
- ▶ **Scalable Architecture:** Designed scalable architecture supporting international expansion

Technologies: ASP.NET MVC, C#, SQL Server, Entity Framework, jQuery

Entrepreneurial Ventures

Taupemist Cooperative | Founder

December 2017 - August 2020 | Global Founded non-profit blockchain cooperative exploring decentralized economy participation, demonstrating early adoption of emerging technologies and community leadership.

Education

****Diploma in Software Development**** Computer Power Institute | 2008 - 2009 | Auckland, New Zealand

Additional Information

- ****Open Source:**** Active GitHub contributor with daily commits over past year - ****Languages:**** English (Native), German (Working Proficiency), Esperanto (Limited) - ****Work Rights:**** Full Australian work rights (New Zealand citizen) - ****Location:**** Brisbane-based, open to hybrid arrangements