Cole Morton

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

📍 Brisbane QLD 4066 📞 0415 583 331 ✉ cole.morton@hotmail.com

💼 [LinkedIn Profile](https://linkedin.com/in/cole-morton-72300745) 🌐 [Personal Website](https://colemorton.com) 💻 [GitHub Portfolio](https://github.com/colemorton)

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
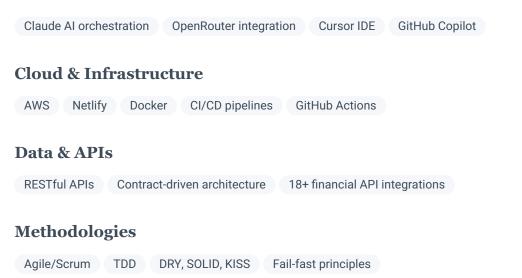
Technical Skills

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: - Led frontend architecture decisions for multi-brand e-commerce platform serving millions of users - Implemented GraphQL migration reducing API calls by 60% and improving page load times - Mentored junior developers in React best practices and modern JavaScript patterns - 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: - Architected offline-capable PWA with QR scanning, enhancing attendee experience for 5,000+ users - Implemented service workers achieving 100% offline functionality for critical features - 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: - Developed real-time trading dashboard processing 1,000+ transactions per minute - Implemented comprehensive test suite achieving 95% code coverage - 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: - Developed patient management modules serving 10,000+ cancer patients - Implemented real-time data synchronization using SignalR - 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: - Built Door2More freight tracking system processing 50,000+ shipments monthly - Reduced manual tracking time by 80% through automation - 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

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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