

# Cole Morton

senior software engineer | ai-augmented development | full-stack architecture

📍 Brisbane QLD 4066

📞 0415 583 331

✉️ cole.morton@hotmail.com

🔗 [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