Cole Morton

SENIOR SOFTWARE ENGINEER
AI-AUGMENTED DEVELOPMENT
FULL-STACK ARCHITECTURE

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💼 LinkedIn Profile   🌐 Personal Website   💻 GitHub Portfolio
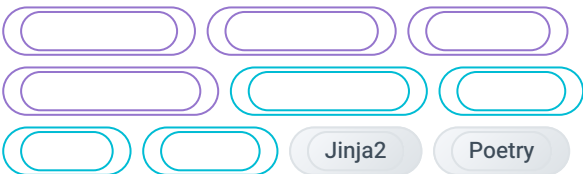
Professional Summary

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

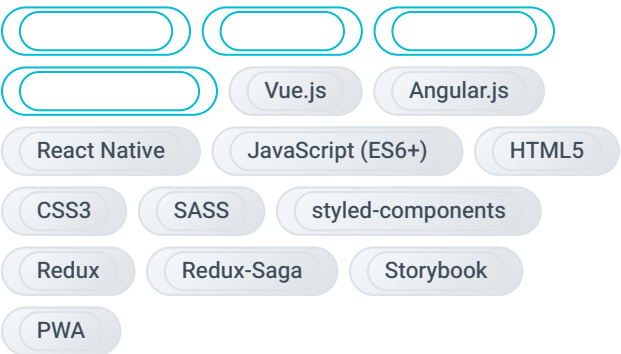- - Architected production systems handling 100+ institutional-grade financial analyses

- - 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

Current Technologies (2020-Present)

Jinja2　Poetry

Frontend Technologies

Vue.js　Angular.js

React Native　JavaScript (ES6+)　HTML5

CSS3　SASS　styled-components

Redux　Redux-Saga　Storybook

PWA

Backend Technologies

Express.js　C#　VB.NET

Ruby on Rails　Pandas 2.0+　NumPy

Plotly　Jinja2　RESTful APIs　WCF

SignalR

AI & Modern Technologies

Cursor IDE　Algorithmic trading systems

Domain Expertise

Interactive dashboards

Quantitative trading platforms

Databases & DevOps

MongoDB

Git　GitHub　GitLab　Poetry

npm　Yarn　Webpack　Jenkins

VS Code
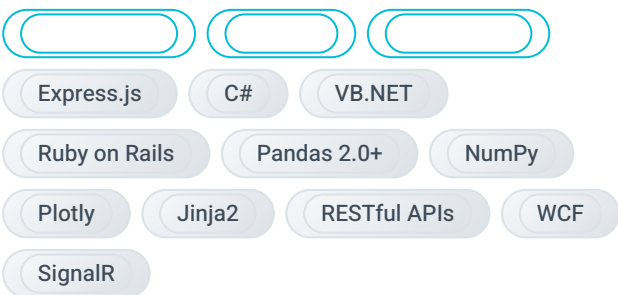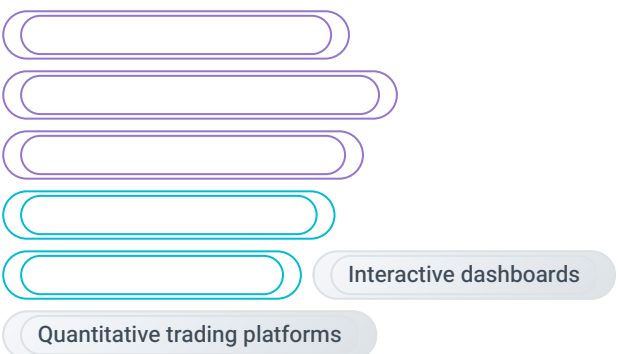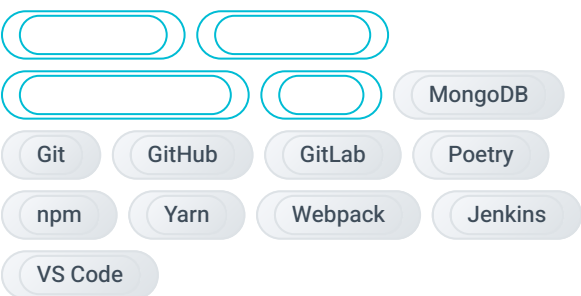
Testing & Methodologies

Jest Cypress

Pytest Karma Protractor

Unit Testing End-to-End Testing

Kanban DRY, KISS, YAGNI

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

Founder

Taupemist Cooperative   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   Christchurch, New Zealand

Key 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

LinkedIn Skill Endorsements

Professional Validation: 23 skills with peer endorsements across 11+ years commercial experience spanning three countries. These endorsements represent validation from colleagues, clients, and industry professionals who have directly observed my technical capabilities in production environments.

Most Endorsed Skills
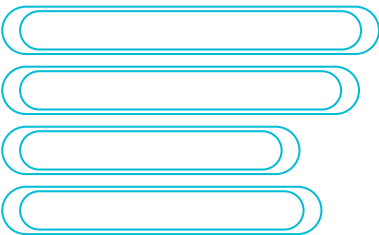
Entity Framework (9 endorsements)

.NET (9 endorsements)

SQL Server (8 endorsements)

Agile Methodologies (7 endorsements)

Web Development (6 endorsements)

jQuery (5 endorsements)

HTML (5 endorsements)

CSS (5 endorsements)