# **Cole Morton**

### Senior Software Engineer | Al-Augmented Development | Full-Stack Architecture

# **Professional Summary**

Senior Software Engineer with 11+ years building production systems across fintech, healthtech, and digital commerce. Expert in Al-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.

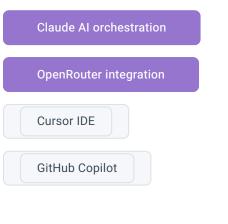
### **Core Competencies**

- Architected production systems handling 100+ institutional-grade financial analyses - Pioneer in Al-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**

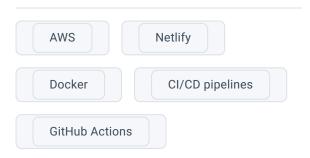
# TypeScript JavaScript (ES6+) Python React 19 Node.js Astro GraphQL

### **AI & Automation**

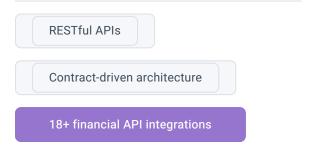


### **Cloud & Infrastructure**

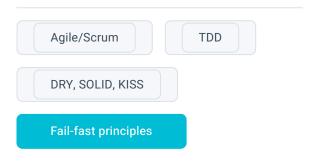
.NET



### **Data & APIs**



# Methodologies



# **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 21command 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 Al, 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 ecommerce 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: AS	P.NET MVC,	C#, SQL	Server, Entity	/ Framework,	jQuery
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# **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