# Alexander Thompson

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## Professional Summary

Senior Software Engineer with 8+ years architecting enterprise-scale applications across fintech and e-commerce. Expert in full-stack development, cloud infrastructure, and team leadership. Proven track record: 60% performance improvement, 35% cost reduction, 99.95% uptime. Passionate about leveraging cutting-edge technologies to solve complex challenges.

## Technical Skills

**Programming Languages:** JavaScript, TypeScript, Python, Java, Go, SQL
**Frontend Technologies:** React, Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, Redux
**Backend & Cloud:** Node.js, Express, Django, AWS, Docker, Kubernetes, PostgreSQL, MongoDB
**Tools & Practices:** Git, CI/CD, Agile/Scrum, TDD, REST APIs, GraphQL, Microservices

## Professional Experience

**TechCorp Solutions**                                                                                            March 2020 - Present
*Senior Software Engineer* | San Francisco, CA

- Architected and led development of a cloud-native microservices platform serving 500K+ users, reducing deployment time by 60% and improving system reliability to 99.95% uptime
- Designed and implemented real-time analytics dashboard using React, WebSocket, and Redis, processing 10M+ events daily with sub-100ms latency
- Spearheaded migration from monolithic architecture to Kubernetes-based microservices on AWS, reducing infrastructure costs by 35% while improving scalability
- Mentored team of 5 engineers through code reviews, pair programming, and technical workshops, resulting in 40% improvement in code quality metrics

**FinanceHub Technologies**                                                                              August 2016 - February 2020
*Full Stack Developer* | New York, NY

- Developed secure payment processing system handling $50M+ in monthly transactions using Node.js, PostgreSQL, and Stripe API with zero security incidents
- Built responsive trading dashboard with React and Redux, improving user engagement by 45% and reducing page load time from 3.2s to 0.8s
- Implemented comprehensive test automation suite with Jest and Cypress, achieving 92% code coverage and reducing production bugs by 65%
- Collaborated with cross-functional teams in Agile environment to deliver 15+ major features, consistently meeting sprint commitments and quality standards

## Projects

**Enterprise E-Commerce Platform**
*Architected and developed a scalable e-commerce platform for Fortune 500 client* **Real-Time Collaboration Platform**

*Built collaborative document editing system supporting simultaneous multi-user editing*

## Education

**Stanford University**                                                                                    September 2015 - June 2017
*Master of Science* | Stanford, CA | GPA: 3.9

**University of California, Berkeley**                                                                   September 2011 - May 2015
*Bachelor of Science* | Berkeley, CA | GPA: 3.85

## Certifications

- AWS Certified Solutions Architect - Professional (2023)
- Certified Kubernetes Administrator (CKA) - Cloud Native Computing Foundation (2022)

## Languages

English - Native (C2) | German - Professional Working Proficiency (C1)