

# ALEXANDRA CHEN

Senior Software Engineer

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Location: San Francisco, CA

## PROFESSIONAL SUMMARY

Experienced Senior Software Engineer with 8+ years developing scalable web applications and distributed systems. Expert in full-stack development with React, Node.js, Python, and cloud technologies. Led teams of 5+ engineers and delivered products serving millions of users. Passionate about clean code, system architecture, and mentoring junior developers.

## TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, Go, SQL

Frontend: React, Vue.js, Angular, HTML5, CSS3, Sass, Webpack, Next.js

Backend: Node.js, Express, Django, Flask, Spring Boot, RESTful APIs, GraphQL

Databases: PostgreSQL, MongoDB, Redis, MySQL, Elasticsearch

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, Jenkins, Terraform

Tools: Git, JIRA, Confluence, Postman, VS Code, IntelliJ IDEA

Testing: Jest, Cypress, Selenium, PyTest, JUnit

## PROFESSIONAL EXPERIENCE

Senior Software Engineer | TechFlow Solutions | March 2020 - Present

- Lead development of microservices architecture serving 2M+ daily active users
- Architected and implemented real-time data processing pipeline reducing latency by 60%
- Mentored 6 junior engineers and established code review best practices
- Collaborated with product managers to define technical requirements for new features
- Optimized database queries resulting in 40% improvement in application performance

- Implemented CI/CD pipelines reducing deployment time from 2 hours to 15 minutes

Software Engineer | DataVision Inc. | June 2018 - February 2020

- Developed customer-facing dashboard using React and D3.js for data visualization
- Built RESTful APIs in Python/Django handling 100K+ requests per day
- Integrated third-party payment systems (Stripe, PayPal) with 99.9% uptime
- Implemented automated testing suite increasing code coverage from 45% to 85%
- Participated in agile development process and sprint planning sessions

Full Stack Developer | StartupLab | August 2016 - May 2018

- Created responsive web applications using MEAN stack (MongoDB, Express, Angular, Node.js)
- Developed mobile-first e-commerce platform generating \$500K+ in annual revenue
- Implemented user authentication and authorization systems with JWT tokens
- Optimized application performance through code splitting and lazy loading
- Collaborated with UX designers to implement pixel-perfect user interfaces

## EDUCATION

Master of Science in Computer Science | Stanford University | 2016

Bachelor of Science in Software Engineering | UC Berkeley | 2014

**GPA: 3.8/4.0**

## CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (2022)
- Google Cloud Professional Developer (2021)
- Certified Kubernetes Administrator (CKA) (2020)

## NOTABLE PROJECTS

E-Commerce Analytics Platform

- Built real-time analytics dashboard processing 1M+ transactions daily
- Technologies: React, Node.js, PostgreSQL, Redis, AWS Lambda
- Reduced customer churn by 25% through predictive analytics

Open Source Contributions

- Contributor to React Router (500+ GitHub stars)
- Maintainer of popular npm package for API rate limiting (10K+ weekly downloads)
- Speaker at ReactConf 2022 on "Building Scalable Component Libraries"

## ACHIEVEMENTS

- Led team that won "Best Technical Innovation" award at company hackathon 2021
- Reduced application load time by 70% through performance optimization initiatives
- Mentored 12+ junior developers who were promoted within 18 months
- Published technical blog posts with 50K+ total views on Medium