



# ALEXANDRA CHEN

Senior Full-Stack Developer & Cloud Solutions Architect

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## Profile

Innovative full-stack developer with 8+ years of experience architecting scalable cloud solutions and leading high-performance engineering teams. Expertise in modern web technologies, microservices architecture, and DevOps practices with a proven track record of delivering enterprise-grade applications.

## Skills

### - CLOUD TECHNOLOGIES

Azure: VM, DevOps, Cosmos DB

GCP: BigQuery, Dataproc, Databricks

### - BACKEND & APIs

Node.js, Express, Django, FastAPI, Spring Boot, .NET Core, GraphQL, REST

### - DATABASES & STORAGE

PostgreSQL, MongoDB, Redis, Elasticsearch, Firebase, DynamoDB

### - FRONTEND TECHNOLOGIES

React, Vue.js, Angular, Next.js, Svelte, Tailwind CSS, Material-UI

### - DEVOPS & TOOLS

Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Prometheus, Grafana

## Experience

Mar 2021 – Present  
San Francisco, CA

### Senior Full-Stack Developer & Tech Lead

**CloudTech Solutions**

- Led 8 engineers developing microservices-based e-commerce platform serving 2M+ users
- Architected real-time analytics dashboard reducing data processing time by 75%
- Established CI/CD pipelines increasing deployment frequency by 300%

**Technologies:** React, Node.js, PostgreSQL, AWS, Docker, Kubernetes

Jul 2018 – Feb 2021  
Seattle, WA

### Full-Stack Developer

**InnovateTech Corp**

- Developed 12+ web applications using modern JavaScript frameworks
- Optimized database performance improving response times by 40%
- Implemented responsive, accessible UIs and integrated payment systems

**Technologies:** Vue.js, Python, Django, MongoDB, Azure, Redis

Sep 2016 – Jun 2018  
Austin, TX

### Junior Software Developer

**StartupHub Technologies**

- Built RESTful APIs and database schemas for startup products
- Participated in agile development and contributed to open-source projects

**Technologies:** JavaScript, Express.js, MySQL, Git, Docker

## Projects

Jan 2023 – Aug 2023

### EcoTrack | Sustainable Living Analytics Platform

**Lead Developer & System Architect**

 **Repository:** [ecotrack](#)

**Deployment:** GitHub Repository

- Built full-stack application tracking carbon footprint for 10K+ users
- Implemented ML recommendations engine increasing engagement by 65%
- Achieved 99.9% API uptime and Google Lighthouse score of 95+

**Technologies:** React, TypeScript, Node.js, PostgreSQL, AWS Lambda, D3.js

Apr 2022 – Oct 2022

### DevOps Automation Suite | CI/CD Pipeline Management

**Technical Lead**

 **Repository:** [devops-suite](#)

**Deployment:** Open Source Project

- Developed DevOps toolchain reducing deployment time from 2 hours to 15 minutes
- Created testing framework with 90% coverage across 25+ microservices
- Built monitoring dashboard adopted by 500+ developers

**Technologies:** Docker, Kubernetes, Jenkins, Terraform, Prometheus, Grafana, Python

Nov 2021 – Mar 2022

### Real-Time Chat Engine | Scalable Messaging Platform

**Full-Stack Developer**

 **Repository:** [chat-engine](#)

**Deployment:** Live Demo

- Architected WebSocket messaging system supporting 50K+ concurrent connections
- Implemented end-to-end encryption with sub-100ms latency
- Built PWA React frontend with offline synchronization

**Technologies:** Socket.io, React, Redis, MongoDB, AWS ECS, WebRTC

## Education

Sep 2014 – Jun 2016  
Stanford, CA

### Computer Science | M.S.

**Stanford University**

- Specialization: Distributed Systems and Cloud Computing Architecture
- Thesis: “Optimizing Microservices Communication in Large-Scale Applications”
- GPA: 3.9/4.0, Summa Cum Laude, TA for CS 142 & CS 144

Sep 2010 – Jun 2014  
Berkeley, CA

### Computer Science | B.S.

**University of California, Berkeley**

- Magna Cum Laude, Phi Beta Kappa, GPA: 3.8/4.0, Dean’s List 6 semesters
- Senior Capstone: Real-time collaborative code editor with 1000+ active users

## Certificates

- **AWS Certified Solutions Architect Professional | Amazon Web Services**  
<https://aws.amazon.com/certification/>
- **Certified Kubernetes Administrator (CKA) | Cloud Native Computing Foundation**  
<https://www.cncf.io/certification/cka/>
- **Google Cloud Professional Cloud Architect | Google Cloud**  
<https://cloud.google.com/certification/>
- **Microsoft Certified: Azure Solutions Architect Expert | Microsoft**  
<https://docs.microsoft.com/en-us/certifications/>

## Volunteering

Jan 2020 – Present

### **Technical Mentor & Code Reviewer**

**Code for America | Open Source Contributor**

- Mentored 15+ junior developers through code reviews and pair programming
- Contributed to 8 civic technology projects and led community workshops
- Established coding bootcamp curriculum adopted by 3 local organizations

**Technologies: React, Node.js, Python, Git, Agile Methodologies**

Jun 2018 – Dec 2021

### **Tech Lead & Platform Architect**

**TechForGood Initiative**

- Architected platform connecting 500+ volunteers with nonprofits
- Implemented matching algorithm reducing coordination time by 60%
- Organized hackathons raising \$25K+ for local charities

**Technologies: Vue.js, Firebase, Cloud Functions, Progressive Web Apps**

## Strengths

System Architecture

Technical Leadership

Performance Optimization

Cross-Functional Collaboration

DevOps & Automation

Mentoring & Knowledge Transfer

Problem-Solving

Agile Development