

SARAH CHEN

Senior Software Engineer

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PROFESSIONAL SUMMARY

Experienced Senior Software Engineer with 6+ years of expertise in full-stack development, cloud architecture, and team leadership. Proven track record of delivering scalable web applications serving millions of users. Passionate about clean code, performance optimization, and mentoring junior developers.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, Go, SQL **Frontend Technologies:** React, Vue.js, Angular, HTML5, CSS3, SASS **Backend Technologies:** Node.js, Express, Django, Flask, Spring Boot **Databases:** PostgreSQL, MongoDB, Redis, MySQL, DynamoDB **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS), Google Cloud Platform, Azure **DevOps & Tools:** Docker, Kubernetes, Jenkins, Git, CI/CD, Terraform **Testing:** Jest, Pytest, Selenium, Unit Testing, Integration Testing

PROFESSIONAL EXPERIENCE

Senior Software Engineer | TechFlow Solutions | Jan 2021 - Present

- Led development of microservices architecture serving 2M+ daily active users
- Improved application performance by 40% through database optimization and caching strategies

- Mentored 5 junior developers and conducted technical interviews
- Implemented automated testing pipeline reducing deployment time by 60%
- Collaborated with product managers and designers to deliver user-centric features

Key Achievements:

- Architected and built real-time chat system handling 100K concurrent connections
- Reduced infrastructure costs by 30% through cloud optimization initiatives
- Led migration from monolithic to microservices architecture

Software Engineer | InnovateTech | Mar 2019 - Dec 2020

- Developed RESTful APIs and web applications using Python and JavaScript
- Built responsive frontend interfaces using React and modern CSS frameworks
- Implemented authentication and authorization systems with OAuth 2.0
- Participated in agile development process with daily standups and sprint planning
- Maintained 99.9% uptime for critical business applications

Key Achievements:

- Developed e-commerce platform generating \$2M+ in annual revenue
- Implemented automated monitoring system reducing incident response time by 50%

Junior Software Engineer | StartupLab | Jun 2018 - Feb 2019

- Built web applications using Django and React frameworks
- Wrote comprehensive unit tests achieving 90% code coverage
- Collaborated with cross-functional teams to deliver product features
- Participated in code reviews and followed best practices for software development

EDUCATION

Bachelor of Science in Computer Science | University of California, Berkeley | 2014 - 2018

- **GPA:** 3.8/4.0

- **Relevant Coursework:** Data Structures, Algorithms, Database Systems, Software Engineering, Computer Networks
- **Senior Project:** Built a distributed file storage system using Python and React

CERTIFICATIONS

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

PROJECTS

Personal Finance Tracker | *Open Source | 2023*

- Built full-stack web application using React, Node.js, and PostgreSQL
- Implemented secure user authentication and data encryption
- Deployed on AWS with CI/CD pipeline using GitHub Actions
- **GitHub:** github.com/sarahchen/finance-tracker

Real-time Analytics Dashboard | *Side Project | 2022*

- Created data visualization dashboard using React and D3.js
- Integrated with multiple APIs for real-time data processing
- Implemented WebSocket connections for live updates
- Used Redis for caching and session management

AWARDS & RECOGNITION

- **Employee of the Year** - TechFlow Solutions (2022)
- **Best Innovation Award** - InnovateTech Hackathon (2020)
- **Dean's List** - UC Berkeley (2016, 2017, 2018)

LANGUAGES

- **English:** Native
- **Mandarin Chinese:** Fluent
- **Spanish:** Conversational

INTERESTS

- Contributing to open-source projects
- Technical blogging and knowledge sharing
- Rock climbing and hiking
- Photography and travel