

Sarah Chen

Senior Software Engineer

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Professional Experience

Senior Backend Engineer

TechCorp Solutions Inc.

2022 - Present

- Led architecture and implementation of microservices platform serving 2M+ daily users, reducing response time by 40%
- Mentored team of 5 junior engineers through code reviews and technical design sessions, improving code quality metrics by 35%
- Designed and deployed distributed caching system using Redis, improving database query performance by 60%

Backend Software Engineer

DataFlow Systems LLC

2019 - 2022

- Developed RESTful APIs in Python and Go serving real-time analytics platform for 500+ enterprise clients
- Implemented comprehensive automated testing suite increasing coverage from 45% to 87%, reducing production bugs by 52%
- Optimized database queries and indexing strategies, improving query performance by 5x and reducing infrastructure costs by \$200k annually

Junior Software Engineer

StartupXYZ

2018 - 2019

- Built full-stack features for SaaS product using Python backend and React frontend, supporting new user acquisition
- Developed data migration scripts and ETL pipelines to consolidate data from legacy systems into new data warehouse
- Collaborated with product team to implement analytics and monitoring dashboards using Grafana

Education

Master of Science in Computer Science

University of California, Berkeley

2016 - 2018

Bachelor of Science in Computer Science

University of Washington

2012 - 2016

Skills

