ALEX CHEN

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SENIOR BACKEND ENGINEER | Python, AWS, Microservices, AI Integration

Backend engineer with 6+ years building scalable APIs serving 10M+ users. Specialized in cloud-native architecture, microservices design, and AI-augmented development workflows. Proven track record of reducing infrastructure costs while improving system performance.

CORE SKILLS

Languages: Python (Expert), Go (Advanced), TypeScript (Intermediate), SQL
Cloud/DevOps: AWS (EC2, Lambda, EKS, S3, CloudWatch), Kubernetes, Terraform, Docker, CI/CD
AI Tools: GitHub Copilot, Claude API, LangChain — reduced boilerplate code time by 40%
Data: PostgreSQL, Redis, Apache Kafka, MongoDB, Elasticsearch
Practices: Agile/Scrum, TDD, Code Review, System Design, Technical Documentation

PROFESSIONAL EXPERIENCE

Senior Backend Engineer
TechCorp Inc. | San Francisco, CA | 2022 – Present

- Architected microservices migration reducing API latency by **65%** and infrastructure costs by **$180K/year**
- Integrated AI-powered code review pipeline, cutting PR review time from 4 hours to 45 minutes (**81% reduction**)
- Led team of 5 engineers delivering payment system processing **$2.3M daily** with **99.99% uptime**
- Designed event-driven architecture handling **50K+ events/second** using Kafka and AWS Lambda
- Mentored 3 junior engineers, with 2 promoted to mid-level within 12 months

Backend Engineer
StartupXYZ | San Francisco, CA | 2019 – 2022

- Built real-time notification system serving **500K+ concurrent users** with sub-100ms delivery
- Optimized database queries achieving **70% reduction** in response times and **40% cost savings**
- Implemented OAuth 2.0 authentication system processing **1M+ daily logins**
- Developed automated testing suite increasing code coverage from 45% to **92%**

Software Engineer
Tech Startup Co. | Oakland, CA | 2018 – 2019

- Developed RESTful APIs using Python/Django serving **100K+ daily requests**
- Reduced deployment time by **60%** through CI/CD pipeline implementation
- Collaborated with product team to ship 3 major features ahead of schedule

CERTIFICATIONS

- AWS Certified Solutions Architect – Professional (2024)
- Certified Kubernetes Administrator (CKA) – CNCF (2023)
- HashiCorp Certified: Terraform Associate (2023)

EDUCATION

Bachelor of Science in Computer Science

University of California, Berkeley | 2018

- Relevant coursework: Distributed Systems, Database Design, Machine Learning