

# Alex Chen

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## PROFESSIONAL SUMMARY

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Architect-Leader Bridging Technical Depth with Business Impact Led microservices migration from monolith, reducing API latency by 40% and improving deployment frequency from weekly to daily releases Expertise in API Design, SQL, Python, PostgreSQL, System Design. Seeking principal engineering role focused on distributed systems and infrastructure

## CORE SKILLS

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API Design • SQL • Python • PostgreSQL • System Design • Docker • AWS • CI/CD •  
Distributed Systems • Java • Go • Microservices • Redis • Kubernetes • Kafka •  
Terraform • GitHub Actions • gRPC • Prometheus • Grafana

## WORK EXPERIENCE

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### Senior Backend Engineer

Jun 2021

#### TechCorp Inc

- Led microservices migration from monolith, reducing API latency by 40% and improving deployment frequency from weekly to daily releases
- Architected event-driven system processing 500K messages/second using Kafka and Go with 99.99% uptime SLA
- Optimized PostgreSQL query performance through indexing and query rewriting, reducing average query time from 800ms to 120ms (85% improvement)
- Implemented distributed tracing with Jaeger, reducing mean time to resolution for production issues by 60%
- Mentored 5 junior engineers through code reviews and pair programming, resulting in 3 promotions

### Backend Engineer

Mar 2018

#### StartupXYZ

- Built REST API serving 2M+ requests/day with sub-200ms p95 latency
- Designed and implemented RESTful API using Django Rest Framework, handling 2M daily requests
- Reduced infrastructure costs by 35% through AWS resource optimization and reserved instance planning
- Implemented CI/CD pipeline using GitHub Actions and Docker, reducing deployment time from 2 hours to 15 minutes

### Software Engineer

Jul 2016

#### Enterprise Solutions Corp

- Automated manual processes saving 20 hours/week of team time
- Developed automation tools in Java/Spring Boot reducing manual report generation from 4 hours to 5 minutes
- Created internal dashboard for monitoring system health, reducing incident response time by 40%

## EDUCATION

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### B.S. Computer Science - University of California, Berkeley

2016

GPA: 3.7

Dean's List, Tau Beta Pi Engineering Honor Society

## CERTIFICATIONS

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- AWS Certified Solutions Architect - Professional

## AWARDS & RECOGNITION

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- Company Hackathon Winner - Best Infrastructure Project