



Alice Chen

Senior Backend Engineer

8 Years Microservices Architecture · Cloud Native Expert

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Core Strengths

Microservices Architecture

Led enterprise microservices architecture design and implementation, supporting **10M+ daily requests**

High-Concurrency Systems

Built distributed task scheduling framework, achieved **5000+ GitHub Stars** from open source community

Cloud Native Migration

Completed smooth migration from monolithic to cloud-native architecture, deployment efficiency improved **10x**

Open Source Contributions

Certifications: **CKA** · **AWS SAA** · **GCP Professional Cloud Architect**

Key Achievements

API Latency Optimization

P99 from 800ms to 50ms (16x improvement)

Containerization Efficiency

From weekly to daily releases

System Availability

99.99% SLA achieved

Cost Optimization

Cloud resource cost reduced by 40%

Technical Influence

30+ internal tech talks delivered

Open Source & Patents

OPEN SOURCE PROJECT

CloudFlow – Distributed Task Scheduling Framework

GitHub 5000+ Stars

TECHNICAL PATENT

Stream-based Resource Scheduling Method

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Tech Stack

CLOUD PLATFORMS

AWS, GCP, Alibaba Cloud, Kubernetes, Docker

BACKEND DEVELOPMENT

Go, Java, Python, Rust, Node.js

MICROSERVICES

gRPC, GraphQL, REST API, EventMesh, Nacos

DATA STORAGE

PostgreSQL, MySQL, Redis, MongoDB, Elasticsearch

MESSAGE QUEUES

Kafka, RabbitMQ, Pulsar, NATS

OBSERVABILITY

Prometheus, Grafana, Jaeger, ELK Stack, Datadog

CI/CD

GitLab CI, ArgoCD, Flux, Jenkins, GitHub Actions

FRAMEWORKS

Spring Boot, FastAPI, Gin, Django, Echo

Personal Projects

ResumeForge – Brand-Grade Resume Generator

Open Source Project | Jan 2025 – Present

- Built multi-theme resume generation system from scratch with **58 brand design styles** (Apple/Tesla/Stripe/Vercel etc.)
- YAML-driven content management, one-click generation of **HTML/PDF/DOCX** formats, bilingual support
- Modular architecture: content-style separation, hot-pluggable themes, extensible brand customization
- Tech stack: Python, Jinja2 templating, python-docx, Chrome Headless PDF rendering

Work Experience

StarTech Group

Jun 2022 – Present | Shanghai

Technical Architect · Backend Team Lead

Led core business system architecture evolution, managing **12-person team** through cloud-native transformation, supporting **3x business growth**.

Cloud Native Architecture Transformation

- Decomposed monolithic application into **30+ microservices** with Service Mesh architecture
- Established GitOps release process, achieved **daily iteration** capability
- System availability improved from 99.5% to **99.99%**, recovery time from hours to minutes

High-Concurrency Trading System

- Designed distributed transaction solution, supporting **10M+ daily orders**
- API P99 latency optimized from 800ms to **50ms**, peak QPS reached **50,000**
- Introduced async event-driven architecture, throughput improved **5x**

Data Platform Construction

- Built real-time data pipeline supporting **PB-scale** data processing
- Introduced ClickHouse columnar storage, query performance improved **100x**
- Established data quality monitoring system, accuracy reached **99.9%**

CloudSpark AI Tech

Mar 2019 – May 2022 | Shenzhen

Senior Backend Engineer

Participated in AI inference platform R&D, responsible for core service design and performance optimization.

AI Inference Service Platform

- Designed model service gateway supporting **100+ AI models** dynamic scheduling
- Implemented inference request load balancing, GPU utilization improved from 40% to **85%**
- Established model version management and canary release mechanism

Real-time Feature Computation System

- Built streaming feature computation engine, latency reduced from seconds to **milliseconds**
- Feature storage using Redis Cluster, supporting **billion-scale** real-time queries
- System supported **10M+ DAU** personalized recommendations

InnovSoft Technology

Jul 2017 – Feb 2019 | Beijing

Backend Developer

E-commerce Platform Backend Services

- Developed order and payment core modules, supporting **1M+ daily orders**
- Designed distributed lock solution, resolved inventory overselling issue
- Introduced message queue decoupling, system stability improved **30%**

Certifications

CKA Aug 2023

AWS Solutions Architect Nov 2022

GCP Professional Cloud Architect Jun 2022

Alibaba Cloud ACE Sep 2021

PMP Mar 2020

Education

2013 – 2017

Shanghai Jiao Tong University

Top-tier University

Bachelor of Computer Science