Tao (Simon) Cheng

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PROFILE

Senior Java Developer with 7 years of experience. Skilled in Spring Boot, Spring Cloud, MySQL, PostgreSQL, RESTful API and cloud-native development. Built high concurrency, high availability and low latency backend systems and supported millions of concurrent requests. Contributed to architectural decisions in large-scale projects and consistently delivered robust and reliable systems within Agile teams.

SKILLS

Web tech: **Java17+, Spring, SpringBoot**, SpringCloud, Mybatis, Hibernate, Redis, Kafka, JSON, **Restful API,** Microservices**,** JWT**,** OAuth2**,** JUnit5, Mockito

DB: **MySQL**, **PostgreSQL**, Oracle, OceanBase, MaxCompute, DataWorks

Tools: AWS, Azure, AliCloud, **Linux, Git**, Bitbucket, **Maven**, **Docker**, **K8S**, Jira**, Jenkins**, Github Actions, Zipkin, ELK, Postman

EXPERIENCE

Deloitte | Senior Java Sofeware Engineer | 04.2022 – 02.2024

Project 1 : OCBC Personal Deposit System

- Migrated legacy backend to Java microservices; delivered architecture, workflows, and API specifications.
- Introduced **dual-phase sprint model**, cutting rework by 40% and improving design approval efficiency.
- **Led 6-member** cross-functional team, facilitating daily standups and unblock sessions.
- Built enquiry module using event-driven architecture, achieving sub-200ms response times.

Project 2 : Sanofi Medical Representative System

- Refactored complex reverse-match logic (10+ undocumented branches), using XMind to map flows and validate with stakeholders.
- Strengthened testing: unit tests ensured functional integrity; integration testing **sped up by 30%** with automated setup/teardown.
- Delivered critical production hotfix (NPE) with RCA and long-term validation strategy.

Alipay (Alibaba Group)| Senior Java Software Engineer | 07.2021 – 03.2022

File Platform System | TB-Level Daily Volume across 100+ Banks

- Independently built high-availability File Platform System handling **TB-scale daily data** (payments, refunds, loans, fees).
- Applied **Strategy & Factory patterns** for SDK integration, enhancing system extensibility.
- Solved cross-domain deployment issues (Alibaba, government, banks) via unified **multi-module, profile-based design**, enabling scalable 0 -> 1 -> N rollout.
- Implemented HA features: rate limiting, circuit breaker, async fallback, recovery jobs, and real-time alerts.
- Automated file comparison, saving 2–3 hours daily; drove 60%+ teams to automate transfers, **boosting productivity by 20%**.

SINOSIG | JAVA SOFEWARE ENGINEER | 10.2018 – 03.2021

Insurance Portal System

- Designed **scalable, configurable policy module** digitizing offline workflows (confirmation, facial recognition, images upload, claims).
- Resolved recurring OOM by analyzing heap dumps; delivered hotfix and shared RCA with stakeholders.
- Improved throughput with thread pools and Redis caching, reducing latency and **cutting 80%+ costs**.

NETEASE | JAVA SOFEWARE ENGINEER | 04.2017 – 07.2018

Promotion System | Million-level concurrency

- Enhanced high-traffic promotion system supporting 10+ promotion types with peak QPS of 320k.
- **Resolved performance bottlenecks** by analyzing heap/GC logs; optimized object structures to reduce Full GC.
- Increased core API throughput from **28k -> 320k QPS** via JVM tuning and degradation strategies.
- Reduced API latency from **6s -> 200ms** using batch processing and async external calls.

<u>EDUCATION</u>

Bachelor's degree in education (Major in Software Engineering)
Chongqing University of Posts and Telecommunications | 2016 |China