Oliver Tang

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TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript, HTML/CSS, Python, SQL, NoSQL, Node.js, Bash
- **Back-End Technologies:** Spring Boot, RESTful Web Service, Spring MVC, Spring Data JPA, Spring AOP, Spring Security, Microservices (Eureka Server, Client, Gateway), Messaging Queue (RabbitMQ, Kafka), Hibernate, Tomcat, Vertx
- **Front-End Stack:** React (Redux), Angular, jQuery, ES6, GraphQL, HTML CSS, Bootstrap, Semantic UI
- **Testing:** Cucumber, TestNG, Junit5, Selenium, Appium; E2E automation with a goal of 100%-unit test cases
- **Database:** MySQL, Postgres, RDS, H2, Firebase, MongoDB, DynamoDB, Cosmos DB(Azure) Redis, Cassandra
- **Deployment:** Git Action, CI/CD using Jenkins, AWS Code (Commit, Pipeline), Azure, Kubernetes, Docker
- **Certifications:** AWS (SAA, DVA,SysOps), Oracle Cloud (OCI), Microsoft AZ-204, 900 (AZ, DP, MS), Google Cloud Digital Leader

WORK EXPERIENCE

LG Corporation | Software Developer   **New Jersey | Mar 2025 – Current**

- Optimized microservice communication by **parallelizing Feign calls** using **ForkJoinPool** with Executor Service, improving **data fetch efficiency by 30%**, ensuring exception handling and logging for timeouts and parsing errors.
- Maintained **90%-unit test coverage** and proactively caught smoke issues early through **TDD**, applied **JUnit** with **Mockito**, automation-test with **Cucumber**, **Selenium**, and integrated **JaCoCo** and **SonarQube** for code quality analysis.
- Developed e-commerce services (Magento, Cart, Vertex) and employed **Spring Security** with **JWT** token authentication.
- Implemented **event-driven architecture** using **RabbitMQ** for asynchronous communication and transaction reliability.
- Leveraged **AWS cloud** infrastructure with **Kubernetes** for hosting applications, **Enterprise Docker Hub** for image storage**,** and **Load Balancer** with **Auto Scaling** to ensure high availability and optimized performance.

Goldman Sachs | Software Developer   **Texas | July 2024 – Feb 2025**

- Migrated services across **JDK (17, 21)** and **Spring (3.3.4)** versions, enhancing **system robustness** by **30%**.
- Developed and optimized identity, authentication, person, and customer hub services**,** enhancing **role-based access control**.
- Established **event-driven** architecture with **Kafka** for async messaging between microservices, ensuring data processing.
- Integrated **MongoDB** as a high-volume NoSQL database for customers, transaction data across distributed clusters.
- Applied **step-up auth mechanisms, thread metrics** to reduce financial loss, improve fraud detection across microservices.

cFive Solutions | Software Developer   **California | Apr 2023 – Jun 2024**

- Contributed to bug resolution and features implementation within **Microservice** architecture using Spring framework, JSP, JSTL, **AngularJS** following **Agile** methodologies, leading to a **25% improvement** in system robustness and performance.
- Integrated **Redis cache** for high traffic microservices, reducing **P95 latency by 27%**, **enhancing response time** for **30K+ DAU**.
- **Automated** & streamlined report generation, reducing processing time by **30%** through business logic metadata integration.
- Integrated auth with leading social platforms (Google, GitHub) using **Spring Security OAuth2**, enhancing user accessibility.
- Developed non-blocking, async RESTful microservices using **Spring WebFlux and Vert.x**, enabling **reactive backpressure**.
- Leveraged Talend's **Extract, Transform, and Load (ETL)** procedures to efficiently create custom reporting tables.
- Set up a **CI/CD pipeline** using **Git Actions**. **Jenkins, SonarQube and Docker,** streamlining testing and deployment process.

Fooffer Tech | Software Developer   **California | Feb 2022 - Mar 2023**

- Created 50+ **RESTful APIs** for the Java back-end application with **Spring Boot** and used **MySQL and MongoDB** with **Hibernate and Spring JPA** ORM tools, contributing to an **18%** increase in customer satisfaction.
- Improved Security and reduced unauthorized access by **50%** with robust **JWT** (**JSON Web Token**) **role-based Spring Security** access control system, safeguarding sensitive data and ensuring compliance with industry security standards.
- Utilized **AWS Cloud Services** including **S3, RDS, ASG, ALB, EC2** to deploy and maintain the application in the cloud.
- Engineered responsive app UI components with **ReactJS**, **TypeScript**, leveraging **Redux** for enhanced data consistency.
- Designed and Implemented 5 core services and 2 composite services for the development of robust microservice architecture using **Netflix Eureka, Feign Client,** and **Spring Cloud API Gateway.**

EDUCATION

University of Rochester, Rochester, NY (3.77/4.0)   Rochester, NY
Master of Science in Information System   **2021 – 2022**
Shanghai University of International Business and Economics   **Shanghai, CN**
Bachelor of Science   **2017 – 2021**