

Summary:

Experienced Senior Software Engineer with a proven track record in designing, developing, and enhancing scalable and efficient software solutions across diverse industries such as retail, automotive, and technology. At **Walmart Global Tech**, I successfully led a **Cosmos DB migration** project, which enhanced database efficiency, reduced unnecessary code by 30%, and optimized performance through strategic database hit reduction. I also implemented systematic logging, monitoring, and alert systems for improved issue resolution, ensuring both backward and forward compatibility with dual-sync design.

In previous roles, I worked on complex backend systems and database migrations, including transitioning Oracle databases to PostgreSQL for the TOYOTA TRPOMS team. At Apple IS&T, I drove the development of a new international payments service integrated with Apple Pay APIs, modernized user access processes, and developed a COVID-related social distancing API using Java 11, Spring Boot 2, and AWS.

As a developer with expertise in **Java**, **Spring Boot**, **J2EE**, and **DevOps** tools like **Maven**, **Jenkins**, and **Git**, I have consistently delivered high-quality, microservice-based solutions. I have worked on **Last Mile Delivery Systems** at **Walmart**, leveraging technologies such as **Kafka**, **Elasticsearch**, and **Spring Boot**, and contributed to analytics, reporting, and automation projects.

In addition to back-end development, I have experience in **front-end technologies** also like **ReactJS**, **PHP**, and **Angular**, and have integrated external RESTful APIs for seamless user experience improvements. My China work spans critical systems such as **property insurance core systems**, **claims systems**, and **reinsurance systems**—all contributing to optimized operational efficiency.

Technical Skills:

Java & J2EE	Spring Boot/Spring MVC	ServiceNow	Oracle DB
Database Migration	Cassandra DB	Cosmos DB	PostgreSQL
API Development	Integration	RESTful Services	Microservices
CI/CD Pipelines	ReactJS & NodeJS	AWS	ActiveMQ
Azure Cloud	Elasticsearch	Kafka	Git
Maven/Lib version	Jenkins	DevOps	AZUL Open JDK 17
WebSocket	Docker & Kubernetes	Junit & TestNG	Problem solving & Oncall

Professional Experience:

Walmart Global Tech, Sunnyvale
Senior Software Engineer-full time

March 2022 – October 2024

- Lead migration efforts to **Cosmos DB**, removing 30% of redundant code and minimizing database hits to improve performance and enable advanced data analysis.
- Design and implement new RESTful API, and maintains old RESTful API to match business/other team request.
- Implement enhanced **monitoring and alert systems** to facilitate faster issue detection and resolution.
- Lead the upgrade to **AZUL Open JDK 17**, ensuring the system leverages the latest Java features and improvements.
- Provide backup solutions using **AMQ** (ActiveMQ) and act as the first **T0 team** to implement this feature for Walmart Global Tech.

Infosys, San Francisco, CA
Senior Software Engineer-full time

August 2021 – Feb 2022

- Led the **Oracle to PostgreSQL database migration**, ensuring smooth transition and functionality by maintaining native SQL compatibility with the new PostgreSQL environment.

- Updated and refactored **Java code** to match the new PostgreSQL database structure, ensuring optimal performance and database integration.
- Maintained and enhanced **Java 8** backend services, leveraging **Spring Boot 2** and **JBoss Server** to build scalable and efficient microservices.
- Design and implement new RESTful API, and maintains old RESTful API to match business/other team request.

Apple, Sunnyvale, CA

March 2020 - Aug 2021

Software Engineer-contractor

- Led the development of a **brand-new international payments service**, driving the project from concept to production by integrating with **Apple Pay APIs**.
- Designed and implements core WebSocket service part.
- Utilized **AWS Cloud** for deploying scalable backend services, ensuring reliable, cloud-based operations for critical applications.
- Design and implement new RESTful API, and maintains old RESTful API to match business/other team request.

LeapFrog

June 2019 - January 2020

Software Engineer-full time

- Designed, developed, and enhanced **Spring Boot 2 microservices**, delivering scalable and efficient backend systems to support various business functionalities.
- Implemented **RESTful APIs** ensuring reliable and high-performance communication between systems.
- Worked with **PHP** and **ReactJS/NodeJS** to catch up on new tech trends and implement full-stack solutions for production environments.

DRISHTICON, San Francisco, CA

March 2018 -May 2019

Java Software Engineer-full time

- Developed and enhanced **Spring Boot microservices** for various business processes, ensuring high availability, modularity, and scalability.
- Implemented complex backend features, leveraging technologies like **J2EE, Spring, and Kafka** for real-time **messaging and asynchronous processing**.
- Played a key role in the **LMDE (Last Mile Delivery Experience System)** project by developing the backend using **J2EE, Spring, and Kafka**, integrating with **Oracle databases** for robust data management.
- Design and implement new RESTful API, and maintains old RESTful API to match business/other team request.

Beijing City, China

Jul 2010 -Oct 2016

Full stack Software Engineer

- In China worked 6 years and 3 companies, most job is full stack software engineer. Details, please review my LinkedIn profile. <https://www.linkedin.com/in/meng-xie/> .

Education:

Beihang University

Master's degree, Computer Software Engineering · (09/2013 - 01/2016)

Heilongjiang Institute of Science and Technology

Bachelor's degree, Computer Science · (09/2006 - 07/2010)

Languages: English (Professional), Chinese (Native)