

Contact

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(LinkedIn)

Top Skills

Java

Microsoft Azure

Azure Cosmos DB

Languages

English (Professional Working)

Chinese (Native or Bilingual)

Meng Xie

Senior Software Engineer @ Walmart Global Tech | Java, Database Migration

San Jose, California, United States

Summary

At Walmart Global Tech, our team has successfully enhanced database efficiency by transitioning to Cosmos DB, a move that has significantly optimized our software solutions. The migration led to a 30% reduction in superfluous code and a strategic decrease in database hits, laying the groundwork for advanced data analysis and an overall performance boost.

With a focus on problem-solving and technical understanding, we've implemented systematic logging, improved monitoring, and alerts for faster issue resolution. Our dual sync design ensures both backward and forward compatibility, showcasing my dedication to innovative and cost-effective engineering solutions.

Experience

Walmart Global Tech

2 years 8 months

Senior Software Engineer

July 2022 - Present (2 years 4 months)

Walmart company level Bravo.award - November, 2023

Migrate to Cosmos DB Achievement:

- 1) Removing 30% useless code
- 2) Instead of multiple data base hits we make sure no of Database hits are very less and mostly max of 2 to 3 hits and use the data for future analysis.
- 3) Optimizing database Objects based on the Memory footprints on the JVM.
- 4) Organized the Logger in better and systematic way which can decrease the footprint of the logs, decrease the cost, increase the performance.
- 5) We added better monitoring and alerts which can help us to found the issue faster and better.
- 6) Dual Sync design which helped us to make sure we have both backward compatible and forward compatibility

- 7) Data distribution evenly across the partitions which ensure we have a better balancing and decreases the cost on cosmos.
- 8) AZUL OPEN JDK 17 Upgrade
- 9) Many Utility API are been developed at the time of migration.
- 10) Integrating with one DR Click
- 11) First T0 team use AMQ and provided backup plan

Software Engineer

March 2022 - July 2022 (5 months)

San Francisco Bay Area

Walmart Caspr team cosmos db migration

Infosys

Software Engineer

August 2021 - February 2022 (7 months)

San Francisco Bay Area

work for TOYOTA TRPOMS team

oracle database migration to postgres database

maintain native SQL match new postgres database

maintain JAVA code match new postgres database

JAVA 8+Spring boot 2 +Jboss Server

Apple

Software Engineer

March 2020 - August 2021 (1 year 6 months)

Sunnyvale, California, United States

contract for Apple IS&T Caffemacs team

- Drove a brand-new international payments service from concept to production by integrating with ApplePay team's newest APIs
- Added accountability & auditing in our role provisioning process by migrating our user access process to a pre-existing Apple-proven solution
- Implemented COVID-influenced social-distancing API for mealtimes in our cafes with Java 11 & Spring Boot2 framework & AWS cloud
- Designed backend user-profile API for enhanced UX by integrating with external team's Employee APIs
- Leveraged printer/cash-drawer micro-service experience to design a low effort solution to hardware woes

LeapFrog

Software Engineer

June 2019 - January 2020 (8 months)

Emeryville, California, United States

- Developed and enhanced Spring Boot 2 microservices
- Design & coding & deployment a new bi-tracker project
- Catch up new tech PHP and ReactJS for production

inmon project :J2EE +Spring+Mybatis+ActiveMQ+Oracle+Restful

+Akami(same as AWS)+cassandra

bi-tracker project:Elasticsearch+Kibana+Spring Boot 2+Machine Learning

magento project:PHP+Mysql+nginx+redis

front-end:ReactJS +NodeJS+html5+css3

DRISHTICON

Java Software Engineer

March 2018 - May 2019 (1 year 3 months)

San Francisco Bay Area

contract for Walmart

LMDE(Last Mile Delivery Experience System) back-end project:J2EE+restful

+kafka+spring+oracle

LastMileAnalytics Elasticsearch project:elasticsearch+ kibana+spring boot

LastMileUtilreport project:spring+excel+J2EE

LastMileAutomation auto test project:J2EE+MAVEN+JUNIT

contract for Gymboree

Developed and enhanced Spring Boot microservices

- Implemented features for Content Management System utilizing Camel and JBoss Fuse
- Performed testing of web services on Point of Sale Systems

Dalian Wanda Group

Java Software Engineer (back end)

January 2016 - October 2016 (10 months)

Beijing City, China

- Develop and code database as per the company's requirement
- Accomplish a smooth, error free version of newly developed applications after running the same through an extensive testing phase

- Monitor and update existing and new java based database to ensure their smooth running.
- Develop web based java applications for the company that aim at making client-company communication better and easier
- Update, monitor and maintain java relevant tasks on the company's website
- Combine java databases with environments like mysql when requested by a third party for integration of data
- Monitor the inter company web interface and trouble shoot when needed to facilitate smooth interaction

Generali China Insurance Co., Ltd

Java Software Engineer (front end+back end)

August 2014 - December 2015 (1 year 5 months)

Beijing City, China

Code and deployment e-policy APP:Angular JS 1+html5+css3+cross phone planform (IOS & Android)

Code and deployment Customer server system :J2EE+restful+spring+oracle

Code and deployment online sell policy system :J2EE+restful+spring+sql server

Telephone service handling bug

Sinosoft Company

Java Software Engineer (front end+back end)

July 2010 - August 2014 (4 years 2 months)

Beijing City, China

coding and deployment property insurance core system,claim system , audit system, Reinsurance system.

oncall support.

Education

Beihang University

Master's degree, Computer Software Engineering · (2013 - 2015)

Heilongjiang Institute of Science and Technology

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