

AKSHAY SONVANE

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Summary

- Full-stack developer, open-source contributor, and certified scrum master, with close to 8 years of professional software development experience having strong analytical and troubleshooting skills.

Skills

- Java, Spring, JavaScript, TypeScript, NodeJS, ReactJS, NestJS, Python, Android, HTML, C, C++
- MarkLogic, MongoDB, MySQL, Redis, MS SQL, SQLite
- Docker, Kubernetes, REST, GraphQL, AWS, Swagger, Jenkins, GIT, JUnit, Azure, Mockito, Cypress, RTL

Professional Experience

- | | | |
|---|---|--------------------------|
| Salesforce | Senior Member of Technical Staff | 06/2021 – Present |
| <ul style="list-style-type: none">• Helped build the engineering team from scratch including mentoring new engineers and interns• Developed a global marketplace for showcasing MuleSoft assets and solutions | | |
| MarkLogic Corporation | Senior Software Engineer | 06/2017 – 06/2021 |
| <ul style="list-style-type: none">• Designed and developed both on-prem and cloud-native solutions for data integration pipeline, which includes ingestion, curation, exploration, and secure access of data• Led a 7-person scrum team to develop the company's first hybrid cloud-native web application | | |
| eCampus, San Jose State University | Technical Solutions Developer | 01/2017 - 05/2018 |
| <ul style="list-style-type: none">• Developed VR-based interactive scenarios using a state-machine pattern to be used by USAF ROTC for training cadets | | |
| Compact Softech | Software Engineer | 03/2015 - 06/2016 |
| <ul style="list-style-type: none">• Spearheaded the firm's Android efforts by leading a 2-person team to port the web app over to native Android app | | |

Projects

- CAM – (Salesforce)** (Java, Spring-Boot, REST, JS, ReactJS, AWS, MySQL, Docker, Gradle, Kubernetes, Terraform, Liquibase)
- Reduced time to publish assets by 4.3x by architecting a distributed, scalable and secure publishing tool
- Hub-Central – (MarkLogic)** (Java, Spring-Boot, REST, JavaScript, ReactJS, AWS, Azure, Docker, Gradle, RPM, Shell script)
- Implemented the common services for authentication, session management, and the core database connection
 - Designed and implemented logging, health and restart features that are integral to the cloud service deployment
 - Improved search performance by 2x by re-architecting the search feature
- Data-Hub – (MarkLogic)** (Java, Spring Framework, JavaScript, XQuery, MarkLogic, Gradle, JUnit)
- Designed the core functionality of the flow orchestrator by conceiving a task queue for running flows and steps
 - Consolidated multiple databases reducing the number of resources required for backup, replication and maintenance
 - Massively reduced the time required to run harmonization tasks on a multi-node cluster by parallelizing requests
- RDF4J Library – (MarkLogic)** (Java, Eclipse RDF4J, MarkLogic, Gradle, JUnit)
- Developed an open-sourced semantic library for MarkLogic database to store, search and manage triples/quads
 - Reduced the ingestion time by 6.5x by implementing a multi-threaded client-side parser
- RESTful Dockerized Expense management system – (SJSU)** (Python, Flask, Redis, MySQL, REST, Docker, Shell script)
- Developed a RESTful, distributed, scalable and fault-tolerant corporate expense management system.
 - Implemented Dynamic Replica Registration and Dynamic load balancing.
 - Achieved quick failure detection by implementing Circuit-Breaker design pattern
 - Implemented Bulkhead design pattern using data sharding

Education

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|---|--|-------------------|--------------------|
| M.S. in Software Engineering | San Jose State University | May 2018 | GPA- 3.76/4 |
| B.E. in Computer Science & Engineering | Babaria Institute of Technology | April 2015 | GPA- 3.89/4 |