

Sagar Gaikwad

Senior Software Engineer

Professional Summary

Successful Senior Software Engineer, offering **6+ years of experience** in demanding environments focused on producing cutting-edge enterprise software for Automation industry. Skilled in directing development with creative and performance-oriented approach. Well-organized and customer focused with proven skills in project management and team leadership. Handled several delicate projects with defense customers such as US Navy, Lockheed Martin, Northrop Grumman, General Electricals, etc. Played efficiently in customer facing roles.

Work Experience

Jul-2014 Present **Senior Software Engineer (MAT)**
eQ Technologic (India) Pvt. Ltd.

Client- US Navy, USA

Project- Migration and Integration to Teamcenter 12

Duration- 2.5 years

Using eQ's unique integration platform 'eQubeMI®', we integrated 5 different systems (Oracle, Excel, Unstructured Text Files, CDM, SAP HANA) with Teamcenter 12. Lead a team of 3 junior developers and reported to Project Manager and to CTO directly.

Work-

- Migration, Integration & Reports-** Was involved in this project in 3 fronts
1. Migration 2. Integration 3. Reporting & Profiling
 - Migrated 120 Million oracle records to Teamcenter within a span of 35 days.
 - Developed 12 interfaces (BPM Processes) which will collect the data from various systems and sync up between Source System and Teamcenter.
 - Developed Reports for validating the migrated data as well as providing insights on combined data from various sources.
- Oracle Tuning and Teamcenter Tuning-** For increasing performance of Data Migration, I was responsible for finding out ways to tune the oracle, Teamcenter and hence Oracle underlying the Teamcenter. This tuning included right from indexing source DB to varying SGA/PGA sizes of Oracle Configuration. Improved the performance from 19 objects/minute to 2000 objects/minute.
- Multithreading upgrade-** Customized the product for fetching data into chunks and added Multithreading support. This feature went in Product as OOTB feature afterwards.
- Batch Automation Framework-** Created a framework which will read the attribute mapping from RTM and prepare the artefacts (Maps, MLVs and Batches) to carry migration. This framework automatically creates the filters and assign number of threads based on the filters. Added Connection Pool logic to provide enough connections to threads.
- Customer Interaction-** Was solely responsible for weekly calls with customer to evaluate project requirements and specifications. Trained and Mentored 3 Junior developers on requirements to improve overall team performance.

Key Skills

Core & Advanced Java

Teamcenter

Spring Boot

RESTful Webservices

Microservices

Oracle/MySQL/SAP HANA

Elastic Search

AWS (EC2, RDS, S3, ACM, EBS, etc)

BI/MI/Integration

Apache Calcite

Project Management

Team Management

Javascript & jQuery

Personal Info

Address

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Dhanori Road, Pune – 411 015, India.

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E-mail

nuclearsagar@gmail.com

Languages Known

English, Hindi, Marathi

Citizenship

India

LinkedIn

<https://www.linkedin.com/in/sagar-gaikwad>

Client- Northrop Grumman Corporation

Project- EasyPL, EasyME

Duration- 1 Year

A Spring Boot based project which fetches data from Teamcenter Enterprise and Orient DB cache using REST APIs and Microservices Architecture.

Work-

- **REST API Development-** Developed REST based APIs using Spring Boot and Microservices Architecture. Lead a team of 2 developers.
- **Architecture Design & DB Schema Design-** This project was created from scratch, so got to work on Complete Architecture of a solution. Created DB Schema for each Microservice involved. The UI is developed in Mendix Platform.
- **An Orient DB Plugin for Cache-** eQ's Products are based on Adapter-Plugin architecture for every type of source we need to write a plugin which can connect, fetch, write, update and delete the data from the source. In this project Orient DB had to be used for caching purpose. I developed an Orient DB plugin as per existing product architecture.

Client- eQ Technologic

Project- Enterprise Search Engine

Duration- 6 Months till now

An upcoming product by eQ. Involved in POC, Design Discussions, Technology Selection and did R&D for the same.

Work-

- **Architecture of the Product-** Part of Multiple design discussions with CEO, CTO and other heads of the products. Involved in creating Design Document, Architecture Diagram and presented them in front of Directors.
- **Indexing and Caching-** Developed REST APIs to read mapping information from Maps and store/retrieve them in/from Elastic Search and Orient DB cache based on tags applied on mappings. Search results are displayed after processing the query by NLP Engine.

Client- Other Clients and POCs

Being in MAT and in Customer facing roles, was involved in multiple Pre-Sales and POC Activities for customers like Apple, Siemens, Baker Hughes, etc.

Work-

- **Apache Calcite for query optimization-** POC to use open source Apache Calcite to achieve query optimization for all the 20 plugins eQ owns.
- **Integration of Oracle, SAP HANA and Teamcenter-** A POC project for Trane Technologies to integrate massive data from above 3 systems and display them on common UI built on Mendix.

Education

07-2010 **College of Engineering Pune (COEP), India**
02-2014 Bachelor of Technology (BTech) in Computer Engineering

02-2014 **Centre for Development of Advanced Computing (C-DAC)**
07-2014 Diploma in Web Technologies (DWT) using JavaEE

07-2007 **S. P. College, Pune, India**
06-2009 Higher Secondary School

Tools

Teamcenter BMIDE
Teamcenter Active Workspace
Eclipse
IntelliJ
Spring Tool Suite
Kibana
Mendix
Maven
SQL Developer
SAP HANA Studio
Orient DB Studio
Git
Jira
Putty
Tomcat
WebLogic
JBoss
Flowable
Postman
Visual Studio Code

Achievements

1. Grabbed a position in MAT (Multi Activity Team) which is dream team of every person in the company.
2. Performed efficient Oracle and Teamcenter Tuning to achieve migration performance speed from 19 objects/minute to 2000 objects/minute

Personal Traits

1. Always ready to take new challenges and learn new technologies
2. Worked on almost every phase of Software Development Lifecycle
3. Consistent until the results are obtained

Hobbies

Mentor newbies in Software Industry
Watching sci-fi movies/series