

Milind Brahme

[A] Summary

- 12 years of overall experience in IT, 5+ years of USA onsite experience working for Cummins NA distribution business unit.
- AWS Certified Solutions Architect – Associate.
- Helped implement DevOps with gitlab and jenkins in the project.
- Currently working as Principal consultant for Cummins DBU (Distribution Business Unit) BMS ERP and its oracle-based applications.
- Lead projects/enhancements on North America Distributor applications with a large 4000+ concurrent user base.
- Worked on complex development and support projects for Cummins for the past 10+ years.
- Responsibilities involve managing or aiding multiple projects independently or with a team, performing requirements gathering for North America Cummins distributor ERP applications (BMS), preparing the detailed requirement documents from business requirements (BRD). Assist in solution design and aid in preparation of SDD. Coordination between offshore and clients (RA, Reviews, Testing, UAT, Meetings etc.)
- Good comprehension of SDLC process.
- Ability to work with team & team building capability, distribute work among team members.
- 8+ years of programming experience mainly in Oracle pl-sql, Oracle Forms and Reports latest technology stack. In addition I have very good knowledge of Linux/UNIX and shell scripting. Worked on Ubuntu, OEL flavours of linux.
- Worked on configuring Linux SFTP,SSH helped build deployment shell scripts for CI/CD pipelines.
- Worked on configuration and deployment of Oracle middleware forms and reports in web architecture.
- Have good knowledge of tools like gitlab, git, Jira, ServiceNow, Toad, and Putty which are used on a daily basis for tracking and problem solving.
- Know and can code in Python, Pandas.
- Worked as a team member on development and enhancement work on numerous Cummins key applications spanning domains like Order Management, ERP etc. (GOMS, BMS).
- Worked as Onsite Coordinator and led the big project like BMS upgrade which is now deployed across 16 Distributor locations across North America having 4000+ end users.

[B] Skill Sets

Databases Oracle RAC clustered DB systems with Oracle Enterprise Linux, Oracle 12c, 11g

Database Skills

1. Database design and providing initial solution design on integration components and what integration technique is to be used (Oracle Advanced queueing, SOAP_API calls through utl_http or the file generations for EDI.)
2. Integrations expertise from Oracle database to Mulesoft, AWS, Fusion Middleware.
3. Oracle DBA intermediate experience with migrating schemas, managing database objects, db user and roles.
4. Expert level experience in Oracle forms and reports, configuring Fusion MW service to run forms 11g and 12c services and server.
5. Performance tuning with DBMS_SQLTUNE or OEM.
6. Apply Trace, read and analyze AWR reports.
7. SQL Loader and using imp, exp for schema and data migrations.

Languages Oracle PL SQL, Linux/Unix Shell Scripting, SQL, Python

Tools Git, Gitlab, Toad, Jira, Putty, Appworx, SQL Developer, SSH, GPG, and SFTP,

Technology Oracle Forms and Reports three tier applications with Linux OEL servers. AWS products and services (AWS Lambda, EC2 Compute, AWS RDS service), Docker basics.

[C] Project Experience

Professional Experience – Onsite US

Role: Principal Consultant

Client: Cummins, Inc.

Duration: Apr 2015 – Nov 2021

Project: OneBMS

Description

BMS is the custom ERP system for Cummins distributor's sales and service business. BMS contains all the modules required for typical Manufacturing ERP system, right from employee payroll to complex order management system having linkage with a wide range of Cummins server network and the cloud applications which enable interactions with mobile devices and Ipads.

Contribution

As a consultant responsible for:

- Lead in the RA phase, hold meetings with business leads to understand the business requirements.
- Preparing detailed design documents based on the business requirement documents (BRD).
- Helped implement DevOps pipeline with custom db implementation scripts and forms fmx deployments. Made extensive use of shell scripting and sql combination to streamline objects DDL, DML deployments mix.
- Implement Agile SAFE and DevOps terminologies to help provide further value. Integrate with modern IT solutions through enhancements and interfaces.
- Performance tuning considerations in the new enhancement, responsible for evaluating explain plans and providing tuning inputs.
- Write complex queries to replace the production long running queries from OEM, designing index and doing sql profiling. Applying SQL profiles or fix the join strategies as applicable.
- Coordinating with the third party vendors which have interfaces with BMS applications. Help them understand possible changes in their system, make sure all affected parties adhere to agreed timelines.
- Assist in integration testing phase by co-ordinating between various technical teams representing heterogeneous systems.
- Assist in UAT / SIT (User Acceptance Testing / System Integration Testing) by ensuring environment availability. Assist by providing swift bug identification if possible and expedite the resolution process.
- Preparing the understanding document which can be used by the developer to understand the customer requirements.
- Coordinate during go-lives, Infant care periods between offshore teams and clients. Ensure smooth successful go lives on multiple sites and create a repeatable and sustainable implementation process.

Environment

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Oracle 12C RAC, Java1.6, Oracle 11g, Forms and reports 11g.Appworx 8

Principal Consultant

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Role: Technical Lead
Client: Cummins Inc.

Duration: Apr 2013 – Apr 2015
Project: BMS Upgrade

Description

BMS (Business Management System) is ERP system for Cummins distributor's parts and service business. BMS contains all the modules required for typical Manufacturing ERP system, right from employee payroll to complex order management system having linkage with interfaces to Cummins Order management and sourcing applications and Warranty / Recon business applications. The interfaces are of heterogeneous nature like EDI, middleware, DB links etc.

BMS was originally designed in Oracle forms and reports 6i hosted on Oracle 8 database. This old technology stack was obsolete and was very hard to maintain with 75+ application servers across 15 distributors in North America. This old technology stack is replaced with 3 tier web based architecture in this project, forms and reports 6i was replaced with forms and reports 11g, along with the database upgrade to 11g.

750 Forms, 450 Reports, 200 Shell scripts, 330 Oracle objects were migrated modified in this project.

Contribution

As a Technical Lead, responsible for the following:

- Gathering information and preparing project documents like - Understanding document, SoW – Statement of Work, estimating the efforts required to complete the application and move it on production.
- Participating in project planning with Manager
- Architecture review and preparing rollout plans across 16 distributor sites.
- Developing key complex code and writing unit and integration test cases.
- Expediting a coding and development process by delegating tasks.
- Regular client interaction during UAT and infant care of the rollout.
- Preparing the understanding document which can be used by developer to understand the customer requirements.

Environment

AIX 5.5, Java1.6, Oracle 11g, Forms and reports 11g.Appworx 8

Professional Experience - Offshore

Role: Sr. Technical Lead

Client: Cummins. Inc.

Project: OneBMS

Description BMS is the custom ERP system for Cummins distributor's sales and service business. BMS contains all the modules required for a typical Manufacturing ERP system, right from employee payroll to complex order management system having linkage with a wide range of Cummins server network.

Contribution As a Sr. Technical Lead responsible for:

- Hold meetings with business leads, Cummins Business Analysts to understand the business requirements.
- Preparing detailed solution design documents based on the business requirement documents (BRD).
- Help upgrade the technology stack to adhere to the vendor support and recommended upgrade paths.
- Formulate a sustainable solution by seeking help from architecture team and taking a signoff from business on the proposed solution.
- Coordinating with the third party vendors, middleware teams which have interfaces with BMS application. Help them understand possible changes in their system, make sure all affected parties adhere to agreed timelines.
- Assist in integration testing phase by co-ordinating between various technical teams representing heterogeneous systems.
- Assist in UAT / SIT (User Acceptance Testing / System Integration Testing) by ensuring environment availability. Assist by providing swift bug identification if possible and expedite the resolution process.
- Preparing the understanding document which can be used by the developer to understand the customer requirements.
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Environment

Oracle 12C RAC,, Oracle 11g, Forms and reports 11g.Appworx 8

Role: Senior Software Engineer

Duration: Jan 2012 – Apr 2013

Client: Cummins Inc.

Project: NA IAD RDC

Description

NA IAD RDC (North American Regional Distribution Center) is the system to be deployed at the New Cummins regional distribution center which

would cater the orders coming from the North American distributor sites. The dealers are associated with individual distributor and they currently place the order to distributor through webcumpas. Henceforth the dealer orders would be automatically routed to new RDC. The new RDC will reduce the load on the Memphis PDC which currently caters to all 17 distributors. Also it will improve the lead time of the dealers placing the orders to distributors.

Contribution	As a Development team member, responsible for the following: <ul style="list-style-type: none">● Requirement analysis and design of the automatic PO creation and routing functionality.● Developing a code to and writing unit and integration test cases.● Expediting a coding and development process by delegating tasks.
Environment	Unix AIX 5.3, Oracle 8i, Forms and reports 6i.Appworx 6

Role: Senior Software Engineer
Client: Cummins Inc.

Duration: Jan 2010 – Jan 2012
Project: BMS Support

Description	BMS is the ERP system for Cummins distributor's parts and service business. BMS contains all the modules required for typical Manufacturing ERP system, right from employee payroll to complex order management system having linkage with wide range of Cummins server network.
Contribution	Worked as Application support SME: <ul style="list-style-type: none">● Supported BMS application's service domain for 7 months.● Worked on the BMS Projects involving enhancements/development for recent BMS releases.
Environment	Unix AIX 5.3, Oracle 8i, Forms and reports 6i.Appworx 6

Role: Software Engineer
Client: Cummins Inc.

Duration: Feb 2008 – Jan 2010
Project: GOMS

Description

A migration project from oracle Forms/Reports 6i to Forms/Reports 10g and database upgrade from oracle 8i to 10g. GOMS is the order management system used at several parts distribution centers and is used worldwide to enter and maintain customer orders. GOMS interfaces directly with the RP (Red-Prairie), a warehouse management system to provide complete follow-up on inventory, orders, shipments, backorders etc. It interfaces with the requirements planning system for proper materials planning in the warehouse. It also interfaces with the accounting system for complete financial accounting and reporting. The application mainly takes care of Order Entry and Part Inventory in addition to certain modules in Manufacturing, Financial, Distribution, Planning and Support. Before GOMS, CARDS application was used to maintain above mention functionality.

Contribution

As a Programmer analyst involved in following activities:

- Developed a password encryption program/shell script for database logins through UNIX.
- Designing and alterations of oracle 10g Forms screens.
- Designed several requirements specific to oracle 10g reports.
- Written several procedures function, designed table and associated triggers for streamsoft application (An interface sending flat files to other servers).
- Coordinating with the support team to implement the changes and enhancements made.

Environment

Sun Solaris, Oracle 10g, Oracle Forms and Reports 10g.

Role: Trainee
Client: Cummins Inc.

Duration: Aug 2007 – Jan 2012
Project: FTP to SFTP conversion

Description

Conversion of flat file transfer process from normal FTP to SFTP. FTP is replaced by a more secure passwordless SFTP protocol which facilitates encrypted data transfer eliminating the security risks.

Contribution

As a Trainee, involved in the following activities:

- Developed Unix shell scripts replacing FTP with SFTP.
- Configured Unix servers for SFTP passwordless authentication.
- Configured UNIX to IBM Mainframe SFTP
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Environment

Windows NT Sun Solaris, HP AIX.

[D] Other Experience

- Developed individual applications and freeware in Kotlin for Oracle.
- Trained freshers on Oracle, Linux technologies and their new features, best coding practices etc.
- Conducted many interviews as L1 and L2 interviewee to select many quality candidates.

[E] Training & Education

- B.E.IT, Bachelor of Engineering Information Technology, Dr. Babasaheb Ambedkar Marathwada University with Distinction.
- Diploma in Computer Engineering, Govt. Polytechnic Jalgaon MSBTE
- Oracle Certified Associate (OCA) in Oracle PL-SQL.
- AWS Certified Solutions Architect – Associate