# Sudhanshu Khandelwal



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### DOB

21-APR-1987

### Industry Knowledge

* Project Management
* Application Development
* Implementation Support
* User Acceptance Testing
* Business Process Management
* Software Documentation
* Solution Architecture
* Business Process Analysis

### Education

B. Tech in Electronics and Communication Engineering from Uttar Pradesh Technical University (2009)

Technical Engineer III @ ARROW Electronics **|** WMS Application Development & Support

11+ years of experience in Logistics and Banking Domains. Majorly Involved in Design, Architecture, Application Development, Testing, Implementation and Support. Also familiar with business process management, solution architecture, PowerBI reporting and leading IT projects, Web and Mobile applications modules.

## Experience SUMMARY

**Feb’ 2014 -- Present** **Technical Engineer III @ *ARROW Electronics***

* Working as Project Lead for development projects for 3 years.
* Development, testing, implementation, and support of in-house Warehouse Management System application.
* Solutioning for Projects by analyzing business requirements and translating them to Functional and Technical Spec Documents.
* Acting as Project Lead for multiple concurrent projects.
* Techno-Functional Support to issues related to front-end, back-end, RF devices, Tablets, Mainframe and Packing Slips for warehouses across the globe.
* Developing a new Web Based GUI application to replace existing WMS system.
* Developing full scale WMS mobile application to replace RF device processing.
* Solution Architect for multiple projects and fixing application defects.
* In-depth Knowledge and experience in solving complex problems contributing to process improvements.
* Monitoring CA tickets, preparing Power BI reports & dashboards for incident statistics. Also showcasing the same at executive level.
* Traveled to Reno and Denver, USA for Onsite Support of Alliance Unity Go-Live Project (August-2016) and AC Big-Bang Project UAT Support (June-2017) respectively.

**Mar’ 2010 to Jan’ 2014** **Staff Consultant @ *Oracle Financial Services Software***

***Limited***

* Techno-Functional consultant for Implementation and Support of FLEXCUBE for CITIBANK in EMEA region of the world.
* Involved in Conversions, Cutovers, SIT, UAT and PVT Support, Production Support, EOD Batch Support, Testing, Version Control, providing back-end and front-end fixes, day to day interaction with clients, taking seminars and documentation.
* Having expertise on PAYMENTS WORKFLOW module of FLEXCUBE, handled complete responsibility for implementing the same all countries of EMEA region.
* Showed excellent Debugging, Defect Tracking and Reporting Skills.
* Efficiently worked in different shifts.

## Certifications

* [Powerful Reports and Dashboards with Microsoft Power BI](https://www.udemy.com/certificate/UC-02208592-4edb-4705-926e-c3e9073e4adc/)
* [Project Management](https://udemy-certificate.s3.amazonaws.com/image/UC-31aca1a4-03ef-45c7-aaa9-baec45d5140a.jpg)

## Skill Set­­

* Database Platform : Oracle 11G, 12C, 19C
* Languages : SQL, PL/SQL, JAVA, UNIX, C, C++, HTML, JavaScript
* Front End : Oracle Development Tools (6i, 10g, 11g,12c) (Oracle Forms)
* Operating Systems : Windows, LINUX
* Tools : JDeveloper, Eclipse, Reflection, Oracle Forms Builder, Appcelerator, PL/SQL

Developer, WinSCP, Toad, Putty, SSH Client, SQL \*PLUS, Serena Dimensions, VSS, QTP, MS Office, Android Studio, PowerBI Bitbucket, Fexdeploy

* Applications : FLEXCUBE, WMS

## Projects Undertaken

1. **WMS APPLICATION DEVELOPMENT**
2. **WMS WEB GUI Project** : Arrow’s current WMS application is a 30 year old Oracle D2K based keyboard interface application with limitations of scalability and enhancement to match current market standards. This project’s scope is to create a new GUI interface which is a browser-based web application written in React.js, Java11 and Spring framework for the REST APIs and backend with Oracle database.

The new architecture involves below components:

* User Interface (UI)
* Application Programming Interface (API)
* User Activity Logging
* Database

*Roles and Responsibilities:*

* Leading backend development team to develop, test, deploy ,track and report all the backend modules.
* Code Development, Review, Unit testing, SQA Support, UAT Support, Go Live and Post Production Support.

1. **Cargo Staging:** Creatingasolution to provide the ability to track and manage packages that are a part of International Break Bulk programs. Also defer the assignment of the tracking number and packages being listed on the carrier’s manifest until all products has been collected for an individual shipment. The accumulation of all completed individual shipments are then tendered to the carrier as a single unit (batch) per the terms of each program.

*Roles and Responsibilities:*

* Project Lead for a 4 member team
* Creating the DB architecture for providing the entire solution.
* Code Development, Review, Unit testing, SQA Support, UAT Support, Go Live and Post Production Support.

**c. Digital Address Validation:** Create a solution toreject inbound sales orders from Arrow’s Digital Navision

system coming into WMS and having Invalid Shipping Address. This validation is done against a third party TMS system which also serves as the carries for International outbound orders.

*Roles and Responsibilities:*

* Project Lead for a 3 member team
* Creating the DB architecture for providing the entire solution.
* Code Development, Review, Unit testing, SQA Support, UAT Support, Go Live and Post Production Support.

**d. Brazil CI Addendum Project:** Designing a new CI Addendum Manufacturer Address PDF document to

comply to Brazilian Import Regulations. The document is generated as part of the WMS shipping process and can be reprinted via a new DRP option and the PlanetArrow WMS reprint functionality.

**e. Prepick Design Project:** Developed a new screen in the WMS that will allow the operator to group pre- picked transactions, which will transmit a single pick interface message, so that a quote and subsequent sales order can be created and interfaced to the WMS. When a sales order releases to the WMS for pre-picked inventory, use the transaction specified on the line item to determine the inventory to allocate and systemically pick and consolidate (if necessary). Provide the functionality to systemically complete/pack the sales order based upon a configuration option setting.

**f. WMS - Iron Mountain interface:** The project requires WMS to interface to the Iron Mountain system in order to retrieve document images that were previously scanned and stored in a repository that they maintain.  They will be providing a REST API which is http-based, so we need to develop PL/SQL functions that use the Oracle UTL\_HTTP package to interact with the API.

* Technologies Used : PL/SQL, JSON

**2. PRODUCTION SUPPORT FOR WMS APPLICATION**

WMS, or Warehouse Management System, is a set of software and hardware components that address the inbound and outbound processes of a warehouse (in and out movement of goods) and manages the inventory.

Production Support involves providing quick turnaround, zero escalation and Appropriate/Correct resolution given on time for the issues raised in WMS Production and Quality instances.

* Technology Used : JAVA, Oracle Developer Suite, PL/SQL, Unix, C and Pro\*C

Roles and Responsibilities:

* Providing on-call support from offshore for WMS application issues.
* Receive calls for Critical and High priority issues.
* Address Medium and Low priority tickets opened in CA Service desk.
* Coordinate with Helpdesk, ICS, CGI and DBA groups and other support teams to maintain the application in steady state.
* Status Reporting.

**3. WMS APPLICATION ENHANCEMENTS**

1. **Conversations Path changes:** The enhancement required changes related to calling a new form from any form in WMS front-end application. Replaced the conventional method by fetching of the fmx path on server from database.
2. **RPE & NCMR Codes Enhancement:** Phoenix Warehouse uses Access databases to track parts that fail during the integration process. They wanted to be able to identify these parts once they are put back into available inventory in the WMS using the RPE (Return Product Evaluation) and NCMR (Non-conforming Material Report) codes. Modified the WMS receiving and return-to-stock processes to accept the RPE and NCMR codes and include them as an inventory attribute.
3. **WBC validation enhancement:** Current validation in WBC menu regarding the entry for the number of units built ensure that this entry plus the already built units (wms\_pso\_detail.built\_qty) does not exceed the order quantity. As part of this enhancement, a field was added to the XML interface that specifies the quantity of each component line that is required per parent build (wms\_atso\_detail.per\_unit\_qty). The new logic to the units built validation in WBC takes this value into account (when it is not null). If the per\_unit\_qty is null for any line, then the current validation still applies.
4. **WMS NA International Documents Changes:** Changes done in Delivery Note, Commercial Invoice and CSL Manifest documents. Modified existing and added new labels to each document based on requirement. Did few form changes to change the condition of printing the documents based on facility level configuration option setup at database.
5. **Ship method expansion analysis and estimate: Preparation of an analysis and estimation report for the expansion of few database columns from 16 to 30 chars. The goal was to have the full description print on the shipping label and documents.**
6. **China Batch Number for North America:** China customs is requiring that for certain HTS Codes, the “Batch Number” must appear on the DN/PL and Commercial Invoice. Changes in both WMS and TMS will be needed to support this regulatory requirement for North America.

* Technologies Used : JAVA, Oracle Developer Suite, PL/SQL, Unix

**4. EBS - FLEXCUBE INTERFACE FOR GCG CLIENTS**

EBS which is back-end for GCG application, need to communicate with Flexcube in order to exploit its capacity to send out and receive the cross-border transfer over SWIFT network. The current set-up in Romania has capability to directly communicate with Flexcube however the same will have to be replaced by introducing a standard gateway application- RCX. This will provide a standardized and stream lined approach across branches.

The current scope includes below countries in phases:

*Poland; Hungary; Czech; Romania; Russia; Ukraine; Turkey; Bahrain; Pakistan; UAE and Egypt. (11 countries)*

* Technology Used : Oracle Forms 10g/6i, PL/SQL, SQL\* Plus, Unix

**5. WMS MOBILITY**

Project involves migrating RF device related warehouse processes written in Pro\*C to mobile application which can be used in tablets or wearable platforms by warehouse operators. Current phase involves developing new screens to replicate the RF functionality and deploy the code on tablet devices.

* Technology Used : HTML, JavaScript, CSS, NodeJS, MongoDB, PL/SQL, Appcelerator

**6. AUTOMATED PROCESSING OF SORBNET2 TRANSACTIONS in POLAND**

A regulatory requirement for Poland required for their local regulator application – SORBNET2, to send high value payments in SWIFT format.

**Details of Enhancement:**

* FLEXCUBE should allow generation of SWIFT messages for transaction in local currency (owing to RTGS settlement).
* To incorporate the functionality to hold/release of SORBNET2 messages.
* To allow the Bulk release of SORBNET2 messages.
* To show current available balance on Nostro account based on incoming and outgoing SORBNET2 messages.
* To book the incoming SORBNET2 SWIFT messages alone into PW module.
* To provide a provision to upload SORBNET2 payment request via RCS/IRIS (ASCII) upload & book the payments in PW module.
* To allow inter-branch transactions in PW module.
* To change the network of transactions.
* Technology Used : Oracle Forms 10g/6i, PL/SQL, SQL\* Plus, Unix

**7. PW MODULE-FLEXCUBE IMPLEMENTATION**

Payments Workflow (PW) Module was implemented in Czech Republic as part of CEE Periodic Release 3 in 2 phases:

* *Phase 1*: Payments from Manual, RCX and CBDSEPA sources.
* *Phase 2*: Payments from CBD and Incoming SWIFT sources.

Details of Enhancements delivered:

* Block funds for PW transactions in Exchange Rate Queue.
* CBD Interface & CZRLOCAL handoff changes for PW module inclusion.
* User input of Dr Currency in front end for multiple currency GL accounts.
* LCY Cross Border Payments in PW.
* Incoming Swift message: Credit on value date set up on customer level.
* Technology Used : Oracle Forms 10g/6i, PL/SQL, SQL\* Plus, Unix

**8. FCUBS: Flexcube Rollout in EMEA Region**

The project was intended to synchronize all the branches of CITIBANK worldwide in terms of code and functionality. Each country was upgraded and brought to the new baseline Flexcube 4.12, in different phases.

* Technology Used : Oracle Forms 10g/6i, Pl/Sql, Sql\* Plus, Unix

**9. AUTOMATED REGRESSION TESTING**

The project requires testing of functionality of various modules of FLEXCUBE with the help of QTP tool.

Responsibilities:

* Preparation of Object Repositories and Test Data Templates using MS Excel.
* Preparation of test cases based on the functionality of the given module.
* Code changes in library files as per requirements.
* Identifying functional or testing failures for reported issues and providing fixes for script, map and template files or informing branch to raise FMS ticket for the respective cases.
* Technology Used : QTP (9.5), VB Script, MS Excel, Oracle Forms.

**\* REWARDS & RECOGNITIONS \***

* **Certificate of Recognition** for Exemplary Contribution to Business in Q3'2019.
* As **Captain** of Arrow Football team, participated in inter corporate tournament.
* As **Captain** of Arrow Cricket Team, participated in inter corporate tournament.
* Received **WE-APPLAUD award** twice for excellent performance from OFSS.
* Worked as **Coordinator** in the Table Tennis committee at the National Level Sports Meet – ‘AAMOD-2009’ in college.
* Worked as **Organizer** in the Table Tennis committee at the National Level Sports Meet – ‘AAMOD-2008’ in college.
* Secured **Runners-up** position in Table Tennis Competition at Intra College Sports Meet – ‘MUKHAR-2009’.
* Played Table Tennis at the National Level Sports Meet – ‘AAMOD-2009’ in college.
* Participated in various literary and extra-curricular activities at school level.
* Participated in NIIT school program during the academic year 2001 and 2003.
* Received scholarship for academic excellence from college.