

DINESH RATHOD

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SELF-REFLECTION

Results-driven Solution Architect with a proven track record in designing and delivering innovative technology solutions. Highly skilled in system integration, cloud computing, and architecture design. Strong leadership abilities with a collaborative approach to driving successful project outcomes. Committed to leveraging technical expertise and business acumen to optimize processes and achieve strategic objectives.

CAREER SUMMARY

- **Professional with 15+ years of experience** in managing product development life cycle for Various industries like (Discrete industries, Process industries, Renewable Energy, Airports Domain).
- Demonstrated success in cloud architecting and managing product **development and delivery of IIoT Solution**.
- An in-depth understanding of auto manufacturing and **shop floor operations**.
- A solid understanding of the **renewable energy** industry and its operations.
- Excellent experience in **architecting cloud** based IIoT enabled remote operations management platform.
- Successfully led and completed the **MES Up-gradation (Refresh Project)** project for TATA MOTORS Ltd.
- Excellent understanding of **ISA-95, ITIL and SIX SIGMA Processes**.
- Managed project lifecycles, including requirements gathering, solution design, development oversight, and timely delivery within budgetary constraints.

CORE SKILLS

Industrial Internet of Things (IIoT)	Manufacturing Execution System (MES)	Shop Floor Process Automation
IT-OT Convergence	Release Planning and Project Management	Digital Initiatives & Team Building
RFP, RFQ, Vendor Evaluation	MES-SAP Interfacing	Problem-Solving Skills

EDUCATION

MTech. (Computer Engineering) - SPCE University - JUNE-2021

B.Eng. (Computer Engineering) - HNGU, Patan - JUNE-2008

Diploma (Computer Engineering) - TEB, Gandhinagar – Nov 2004

CERTIFICATION & TRAINING

Certifications: Certified ITIL v4 Professional, LEAN Six Sigma Yellow Belt, Azure Data Engineer DP-200

Trainings: Rockwell Automation FTPC Training, Percipio PMP Boot camp, Professional Scrum Master level 1

PERFORMANCE BENCHMARKS

- The onboarding of 10+ GW of green energy plants in record time, which consists of 100+ Solar and Wind plants.
- With the MES-Refresh project, Plant's downtime due to MES systems has been reduced to ZERO minutes.
- Excellent shop floor operations knowledge in the manufacturing industry.
- Migration of PDS and ODS databases schema from FTPC 8.0 to FTPC 10.0 Without impacting the existing applications.
- Developed an E-Radar application for Real-time monitoring of Plant and its critical application like MES-SAP Interface, Order Management, MES application Server monitoring.
- Recipe Management System Synchronized with SAP System for Process industries.
- Understanding of renewable operations and mapping of field operations with the system.

AWARDS & RECOGNITION

- SPOT Recognition award winner for exceptional business onboarding activities in FY2023.
- SPOT Recognition award winner in the renewable energy sectors digital transformation project in FY2022.
- Recognized and awarded best contributing member of the MES project team at Accenture Technologies in FY2019.
- APAC Champion and APAC Best Team awards winner in FY2018 awarded by TATA Technologies.
- Completed a Project for LOCAL AREA NETWORK (LAN) called "LAN-CHAT" in VB6 and Received special certificate for Project presentation in Visnagar "S.P.C.E." a state level technical Symposium and secured 1st runner-up position.

WORK EXPERIENCE

ADANI GROUP

OCT 2019 – CURRENT

MANAGER-COE-TECHNOLOGY

Domain: DX Transformation, IIoT, MES/MoM

- Effectively lead and manage a diverse team of 15 technology professionals to drive innovation and deliver exceptional results.
- Collaborate closely with business executives to align the digital portfolio roadmap with organizational objectives.
- Drive end-to-end solution architecture for enterprise-level projects, working with cross-functional teams and stakeholders to define requirements and ensure technical solutions align with business goals.
- Successfully implement and scale a technology Proof of Concept (PoC) project, transitioning it into a robust enterprise-level solution to drive innovation and maximize organizational impact.
- Successfully managed end-to-end solution delivery for complex digital transformation & IIoT projects, ensuring timely and high-quality execution.
- Led cross-functional teams and collaborated with business stakeholders to define project requirements and align technical solutions with business goals.
- Developed and implemented project plans, schedules, and budgets to effectively track progress and manage resources.
- Oversaw the delivery lifecycle, including requirements gathering, solution design, development, testing, deployment, and post-implementation support.
- Managed vendor relationships, including contract negotiations, performance monitoring, and ensuring adherence to service level agreements (SLAs).
- Proactively identified and mitigated risks, resolving issues and bottlenecks to maintain project momentum and achieve desired outcomes.
- Conducted regular project status meetings and provided clear communication to stakeholders on project progress, risks, and mitigation strategies.
- Implemented best practices and standardized processes to enhance solution delivery efficiency and quality.
- Mentored and coached team members, fostering a collaborative and high-performing culture, while promoting professional growth and development.

ACCENTURE TECHNOLOGIES

DEC 2018 – OCT 2019

TEAM LEAD

Domain: MES, IIoT, Smart Factory, Process Industries

- Collaborated with stakeholders to define requirements and align technical solutions with business goals, ensuring successful implementation of MES projects.
- Successfully contributed to the implementation of a Manufacturing Execution System (MES) project in the process industries.
- Utilized the Siemens Simatic IT UAF and LIMS platform for efficient and streamlined operations.
- Demonstrated strong client coordination skills, effectively managing teams, and overseeing the release management process.
- Designed and implemented a comprehensive Product History module for enhanced tracing and genealogy within the system.
- Developed and implemented a Quality Management System (QMS) for Non-Conformance Material Review (NCRM), ensuring rigorous quality control.
- Integrated MES with SAP S/4Hana, enabling seamless data exchange and automation for various functions such as Goods Receipt Note (GRN), order management, semi-finished goods (SFGs), finished goods (FGs), and energy management system.
- Led the management of recipes through automation, optimizing efficiency and accuracy.

TATA TECHNOLOGIES**JUNE 2015 – DEC 2018****MES LEAD***Domain: MES, IIoT, Automotive Industries, Rockwell Automation*

- Demonstrated strong skills in client coordination, team management, and release management, ensuring smooth project execution and delivery.
- Applied expertise in MES system architecting and design, effectively defining and shaping the architecture for efficient manufacturing operations.
- Led the MES Refresh Project, ensuring successful implementation without disrupting plant production, resulting in improved system performance and functionality.
- Took the lead in implementing IIoT for the TMLD Engine Shop, leveraging advanced technologies to enhance operational efficiency and data-driven decision-making.
- Developed and implemented a Quality Management System (QMS) for the Automotive sector, incorporating feedback and feed-forward systems, as well as quality audit mechanisms for various manufacturing processes.
- Established standardized processes for OEM integration, streamlining the integration of third-party systems and components for clients.
- Currently engaged in an IIoT project focused on monitoring equipment health status, utilizing real-time data to proactively identify and address maintenance needs.
- Proficiently worked with Rockwell Factory Talk Vantage Point, leveraging its features for effective data visualization and analysis in manufacturing environments.
- Played a key role in integrating MES with SAP through the FTI (Factory Talk Interface) and later migrating to Informatica systems, ensuring seamless data exchange and process optimization.

WIPRO TECHNOLOGIES**SEP 2014 – MAY 2015****SENIOR SOFTWARE ENGINEER***Domain: Enterprise Security*

- **Transitioning Enterprise Security solutions** from incumbent supplier for a large travel and hospitality company.
- Reverse knowledge transition of security solutions to offshore development team.
- Design the architecture for enterprise-wide rollout of Microsoft Bitlocker Encryption.
- Assist in optimizing BAU operation by developing automation script for various AD and Exchange related task for User Administration.

(n)Code Solutions-GNFC LTD**NOV 2012 – AUG 2014****SOFTWARE ENGINEER***Domain: Digital certificates, eSign, PKI, Cryptography*

- **Project: PKI (Public Key Infrastructure) ActiveX Component**
Description: ActiveX Control, Encryption/Decryption (File/Data), Digital Signing/Verification (File/Data), X509 Certificates, Digitally Signed Mails, CAPICOM API.
Solution Environment: Microsoft Visual Basic 6.0, Public Key Cryptography
- **Project: (n)Sign – A PDF signer**
Description: Digital Signing of multiple pdf files.
Multiple Signatures.
Digital Signing/ Verification of file formats (.txt,.xls,.ppt,.doc), Digitally signing of e-mails.

TATA TECHNOLOGIES**NOV 2010 – NOV 2012****SOLUTION DEVELOPER***Domain: MES, IIoT, Automotive Industries, Rockwell Automation*

- FTPC Development: Implementing various **MES business process**.
- Creating SOS services for capturing the shop floor events.
- **Product History (Tracing/Genealogy)**
- Proficiently worked with Rockwell Factory Talk Vantage Point, leveraging its features for effective data visualization and analysis in manufacturing environments.
- MES-SAP Interface – **Order management, Genealogy, Booking and Equipment Create**.
- Integrating various **OEM system with MES application** and apply various interlocks for quality checks.

MINDSEYE INDIA PVT LIMITED

JUL 2008 – OCT 2010

WEB DEVELOPER

Domain: Web Development, Microsoft Technologies

- Working on ASP.NET, SQL Server 2005.
- Using Framework 2.0, 3.5 with C# for Development.
- Working on Crystal Report.
- Configuring and setting up payment gateways for website.

PERSONAL INFORMATION

Marital Status: Married

DOB: May-1984

Current Location: Ahmedabad

Languages Known: English, Hindi, Gujarati

Thanks & Regards,
Dinesh Rathod