AMIT PHADKE

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SYNOPSIS

- Qualified engineer having 8.6 years of experience in Industrial Refrigeration, Industrial Automation, Delmia Apriso Manufacturing Execution System (MES) and Sales & service industry.
- Proficient in doing Rockwell & Mitsubishi make Programmable Logic Controller's (PLC's) and Human Machine Interfaces (HMI's) programming, and also inspecting electrical panels.
- Well versed with delmia apriso manufacturing execution system, Microsoft sql server 2012 and configuring tags in kepware OPC server.
- Experienced in doing thermal calculations for shell & tube heat exchangers like chillers, oil coolers & condensers etc.
- Completed PLC to DCS communication using profibus, and PLC to VFD communication using modbus.
- Experienced in servicing instruments and preparing test certificates and service reports.
- Doing internship in data science python in pune

EDUCATION

2009 MSc Manufacturing Systems & Management, University of Salford UK, 62.08%
2006 BE Mechanical Engineering, AISSME COE, University of Pune, 57.66%
2002 HSC (12th), Maharashtra state board, 78.67%
2000 SSC (10th), Maharashtra state board, 80.60%

CORE COMPETENCIES

■ Industrial Refrigeration	■ Industrial Automation
■ PLC programming	■ HMI programming
■ Instrumentation	■ MES (Manufacturing Execution System)
■ Shell & tube heat exchanger calculations	■ Process improvement
■ Developing reports	■ Project execution

PROFESSIONAL WORK EXPERIENCE

Mar'18 to Apr'19 with Birlasoft ltd. Pune as Technical Consultant
Role:

- Worked in many projects by making use of delmia apriso flexnet manufacturing execution system (MES), Microsoft sql server 2012, Kepware OPC server, Microsoft office & Factory talk view studio software's.
- Accomplished introduction, installation & configuration related to existing MES system
- Cooperated with team members for knowledge sharing, logging issues reported by the customers, resolving issues, updating documents, preparing test case documents & deployment documents, doing sanity testing on the servers & data configuration for the ongoing implementation activities
- Configured tags in Kepware OPC server & data logger from Rockwell Compactlogix PLC's, developed documents about tags and table format for data logger, updated screens using factory talk view studio, configured tags in Win 911, added tags in the historian & checked whether the data is getting logged in MS SQL server 2012
- Experienced in working with various projects like ardhagh beverages ltd. & entegris USA

Sep'11 to Feb'18 with Cooling people pune pvt. ltd. as Project Engineer
Role:

- Experienced in programming Allen Bradley & Mitsubishi make Programmable Logic Controller's (PLC's), Human Machine Interfaces (HMI's) and inspecting electrical panels.
- Doing thermal calculations for shell & tube heat exchangers such as chillers, condensers & oil coolers etc.
- Carry out design calculations to check effectiveness of equipments needed in refrigeration chilling plants.
- Programmed around 40 brine & water refrigeration systems of capacities ranging from 10 TR to 450 TR operating with screw & reciprocating compressors.
- Dealing with vendors & customers to provide an effective interface, and also provided after sales service whenever required.

- Did PLC to DCS communication using Profibus, and PLC to VFD serial communication using modbus.
- Worked on many client Chemical & Pharmaceutical companies projects like Jubilant - Nira, AB Mauri - Chiplun, SRF - Dahej, Hikal - Panoli, Hikal - Bangalore, Dr. Reddy's – Vishakhapatnam, Hetero- Vishakhapatnam & many other projects

Nov'10 to Aug'11 with KPIT technologies ltd. Pune as Trainee engineer
Role:
- Worked in many projects by making use of Apriso Flexnet manufacturing executions system (MES) 9.3 version & Oracle SQL software's
- Coordinated with team members and developed test cases
- Worked on different software like Apriso Flexnet MES, PL/SQL, C# and ASP.net, Microsoft Office
- Developed documents based on test cases
- Functioned as a technology resource for designated area
- Developed periodic status reports while giving technical support
- Collaborated in completion of required project documentation
- Experienced in working with various projects like Bloom Energy, Tata Cummins Limited 2 NGMES Support

Jun'09 to Sep'09 with Vedic pac-systems pvt ltd Pune as Service engineer
Role:
- Provided service & support for Lock Company's metal detector & other instruments supplied to client Chemical & Pharmaceutical companies in india.
- Assisted in preparing test certificates and obtaining service report after servicing the instruments.
- Extensive experience in providing after sales servicing of instruments supplied by the company
- Worked on many food and pharmaceutical client companies projects like Cipla - Goa, ITC - Coimbatore, Cadbury - Malanpur, Lupin - `Baddi, Frito Lays – Shirur

INTERNSHIP EXPERIENCE
Internship in Data science- python with Gamaka AI Solutions Pune from Jun'19 to Aug'19
Key learning's: Python fundamentals, NumPy & SciPy, Data manipulation, Machine learning, Regression analysis, Random forests, Decision trees, Time series, Tensor flow, Data visualization

TECHNICAL SKILLS
MES Software: Delmia Apriso Flexnet version 2016, 9.3
HMI Programming: AB- Panel view Plus, Panel view Component, Mitsubishi MS 100.
PLC Programming: AB PLC- Micrologix 1400, Mitsubishi PLC – FX3U, Nexgenie
RDBMS: Oracle 10 g, Microsoft SQL server 2012

CERTIFICATIONS COMPLETED
- Powerpack.Net Certification at SEED Infotech Pvt. Ltd. Pune in Sep. 2015
- CAE Certification at AT Technologies Pune in Nov. 2010.
- CFD Certification at SEED Infotech Pvt. Ltd. Pune in Dec. 2009
- Automation Certification at Prolific Systems & Technologies Pvt. Ltd. Pune in May 2009
- Proe Wildfire 2.0 Certification at Naissance Academy Pune in Mar. 2007

PERSONAL DETAILS
Date of Birth: 24 July 1984
Language Proficiency: Marathi, Hindi, English, German – Elementary