

KHUSHBU NILESH BADGUJAR

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Current Company: Toyo Engineering India Private Limited, Mumbai

Work Experience: 5.6 Year

OBJECTIVE

To be associated with a progressive organization which can provide me with a dynamic work sphere to extract my inherent skills as a Professional, use and develop my aptitude to further the organization's objectives and also attain my career targets in the progress.

SKILLS

- Honeywell DCS , Yokogawa DCS,ESD,FGS System.
- Siemens & Allen Bradley PLC
- Detail Engineering Hardware and Software
- PRE-FAT And FAT of Honeywell DCS System , Yokogawa DCS,ESD,FGS system.
- Hardware Documentation
 - System Cabinet Design
 - Marshalling Cabinet Design
 - PDP Cabinet Design
 - Network Cabinet Design
 - I/O Wiring Schedule
 - I/O Assignment Preparation
 - I/O Summary Preparation
 - BOM Generation
 - FAT Procedure (Functionality Test)
 - FDS Preparation
 - Instrument index / IO point database
 - System Architecture/Configuration Drawings
- Designing and Engineering of MCC and PCC Panels (SLD, Power & control diagram)
- Auto CAD

PROFESSIONAL HISTORY

1) **Toyo Engineering India Private Limited**, Mumbai (Dec 2019 to Till date)

Job involves Detail Design of Hardware and Software of the Distribution Control Systems. Toyo-India has varied experience in Hydrocarbon Sectors such as Oil & Gas Processing and Refineries, Petrochemicals, Cryogenics as well as non-hydrocarbon fields such as Fertilizers, Industrial plants and Infrastructure.

Designation: Control system Engineer.

Project Title : **FEED CONDITIONING UNIT 2 (NIGERIA)**

Role : Project Engineer

Duration : March 20 to till date

Roles & Responsibility: Project is almost 3000 I/O's. The initial phase includes the System Architecture / Configuration Drawings, Functional Design specification, Instrument Index / IO Point Database / List, Scope of Work Document, Engineering Specifications, Engineering Design Basis, Closed Circuit Television (CCTV) ,IO Summary Index Preparation, Basic Engineering for the design of System, Marshalling, Network, Power Distribution Cabinet and Interposing relay panel.

Project Title : **Navara Energy PRU, MTBE and OSBL Project (Vadinar, Gujarat)**

Role : Project Engineer

Duration : Dec 19 to Mar 20

Roles & Responsibility: Project is Refinery Domain with almost 6000 I/O's. The initial phase includes the System Architecture / Configuration Drawings, Vendor Drawings / Documents, Instrument Index / IO Point Database / List, Scope of Work Document, Engineering Specifications, Engineering Design Basis, Machine Monitoring System(MMS), Closed Circuit Television (CCTV) IO Summary Index Preparation, Basic Engineering for the design of System, Marshalling, Network, PowerDistribution Cabinet, Heat Load Calculation and BOM Generation.

2) **Virtuoso project & engineer pvt ltd**, Pune (June 2018 to Nov. 2019)

Job involves Detail Design of Hardware and Software of the Distribution Control Systems. The role includes participation in all the aspects of the project from Detail Design Engineering, Validation of the Manufactured System, Factory Acceptance Test.

Designation: Project Engineer.

Project Title : **WASTE HEAT RECOVERY BASED POWER PLANT**

Role : Project Engineer

Duration : April 2019 to Nov. 2019.

Responsibility: Project is 10000 I/O's. Job includes the Hardware and Software based on the input given by the customer. The initial phase includes the making coversheet, MDL, FDS, Design prototype, Datasheets of Components, I/O assignment Preparation, Detail Engineering for the design of System, Marshalling, Network, Heat Load Calculation and BOM Generation, Logic development, Power Consumption and Heat Load Calculation, Duct and Rail Load Calculation, Loop Testing, Functionality Check, System Check, GAD (General Arrangement Drawing) Check, Cable Scheduling, Logic Development, 3rd Party communication, Documentation.

Project Title : **KOC GC – 32 (Customer - Honeywell Automation India Ltd.)**

Role : Hardware Engineering

Duration : June 2018 to April 2019

Responsibility: Project is an Oil and Gas Domain with almost 13000 I/O's. Job includes the Design of the Hardware based on the input given by the customer. The initial phase includes the IO Summary , I/O assignment Preparation, Detail Engineering for the design of System, Marshalling, Network, Server, Power Distribution Cabinet, Duct and Rail Load Calculation, Heat Load Calculation and BOM Generation, Loop Testing, Functionality Check, System Check, GAD (General Arrangement Drawing) Check, Punch Point Clearance and Troubleshooting Factory Acceptance Test.

3) **SHREE GANESH INDUSTRIES**, Pune (November 2015 to June 2018)

Company Profile: Shree Ganesh industries is a manufacturer and supplier of automation, mechanical projects.

Designation: Project Engineer.

Project Worked:

- **Pamm Water Treatment.**
- **Marcurus Water Treatment.**
- **ENVIRO-TECH (Water Treatment)**
- **SPECTRA Aquatech.**
- **M/S Forbes Enviro Solutions LTD.**
- **Shreeji Aqua Treatment PVT LTD.**
- **Moji Engineering System (MSD-545, MSD-509, MRD-125 & MSC-288).**

Roles & Responsibility:

- Understand the input.
- Development of Philosophy, SLD.
- Selection of components
- Preparation of BOM.
- Development of Panel Sizing, Internal Layout, GA Diagram, Power Wiring, Control Wiring.
- Solving the issues of customers in design aspect.
- Testing of panels as per engineering.

Skill Summary

- Strong Oral/written Communication, presentation and interpersonal skills.
- Can work independently as in a team.
- Able to work under high level of expectancy.
- Proficiency in Languages like English, Hindi, Gujarati, Marathi.
- Ability of leadership.

EDUCATION

First Class in Engineering with excellent knowledge

Examination	Board/university	Percentage	Year
B.E. (E&TC)	Pune university	63.26 %	2015
Diploma(E&TC)	MSBTE, Mumbai.	69.49 %	2012
S.S.C	Maharashtra (Nasik)	77.84%	2009

PERSONAL DETAILS

Date of birth - 09/06/1993
Address: - Ramkrushna Mangalkaryalaya Pimple Gurav, Pune 411061
Language Known: - English, Hindi, Marathi, Gujarati

Declaration: -

I hereby declare that the information given above is true to the best of my knowledge.

Place: Pune

Date: / / 2021

Ms. Khushbu N. Badgujar