CURRICULUM VITAE

GOPAL VORA   A-7, Prabhuli Society
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                                                   390019

CAREER OBJECTIVE:

To be a part of well-developed organization where I can work to my maximum to give the 100% output which is always in the direction of the development of the organization. To be on the position where my knowledge is utilized and where I can learn from the experience.

EDUCATIONAL QUALIFICATIONS:

Throughout Distinction in B. E. Electronics & Communication Engineering from Hemachadracharya North Gujarat University, Gujarat, India.

Examination	Discipline/ Specialization	School/college	Board/ University	Year of Passing	%
B.E.	Electronics And Communication	Govt. Engineering College, Modasa	Hemachadracharya North Gujarat University	2008	**71.2**
H.S.C.	Science + Maths Stream	Vivekanand Vinay Mandir, Jetpur	G.S.E.B.	2003	**78.2**
S. S. C	S.S.C	Vivekanand Vinay Mandir, Jetpur	G.S.E.B.	2001	**89.2**

INDUSTRIAL EXPERIENCE:

SUMMARY

- A dynamic professional with 7+ years of rich experience in Project Leading and Execution, Concept to Detail Engineering, Quality Assurance, Support for Project Management and Coordination.
- Currently Working as Assistant Manager and responsible for PCIS Instrumentation & Electrical design engineering.
- 4+ years' experience in various Industrial Instrumentation and Control projects i.e. Packing & Making lines, Chemical plants, Power plants, Pharmaceutical plants, Water treatment plants.
- Involved in various types of design projects in all aspects of engineering and design practices from plant studies, analysis and development of conceptual design to the implementation and carrying out of detail design considering manufacturing feasibilities

as well.

- 3 Years of Experience in the Field of Automation Hardware & Software Engineering, Support, Design & Development of Control Systems. Hand on experience on GE FANUC, Allen Bradley and Siemens PLC hardware and Programming software as well as Design and Development of SCADA application. Selection of PLC, HMI & SCADA system configuration & validation using IA Builder. Worked on various communication protocols like Ethernet, Modbus, Modbus TCP/IP OPC server etc.
- Experience in Designing control system and application development of Water Storage & Distribution Plants, Desalination Plants.
- Responsible for Development of PCIS deliverables, Vendor coordination, Client coordination, self-review, peer review, inter disciplinary review, onsite-offshore model meetings, guiding & managing a team which includes other activities like

EXECUTION SKILLS

- Preparation of comprehensive Engineering Packages includes various deliverable like Design Basis, Bill Of Material, Control Cable Schedule , Selection and Sizing of Instruments, Cut-sheets & datasheets of Equipment's/Instruments, Elementary drawings, Instrument List, Motor & Electrical Device List(MEDL), Name Plate List, Tag List, PLC I/O Count & I/O List, Power Cable Schedule & Sizing and detailed Engineering Information document adhering regionally adoptable standard for site construction contractor guideline.
- Preparation of control panel design, Panel drawing, wiring diagrams and loop diagrams.
- Lighting, grounding, MCC elevation & Single Line Diagram.
- Preparation of various layouts such as Cable tray/ raceway as well as Device Location Layouts.
- Prepare Equipment location & Plan Drawings, wiring and control panel details, instrument assembly details.
- PLC programming & logic development from control philosophy and P&ID diagram.
- SCADA and HMI development from P&ID diagram.
- Selection of Automation System Hardware and build comprehensive automated control system architecture as per application requirement.
- Development of Control system Architecture.
- FAT, SAT, Erection and Commissioning of Automation control system.
- Complete and plot yellow lint / red-line markups.
- Contribution for development of P&ID as well as P&IDs reading for deliverables preparation.

- Translate sketches to AutoCAD drawings
- Engineering support to onsite engineering for site erection and commissioning activities as well as trouble shooting situations. Continues coordination with onsite engineer for on time delivery of deliverables with good quality and Change Management solution.

PROJECT MANAGEMENT

- Planning and co-ordination of day-to-day activities involved in project assignment with total manpower span 5-6 engineers.
- Leading and coordination project team, Vendor coordination, self-review, peer review of deliverables.
- Customer requirement understanding & study, Project hour estimation, project execution.
- Co-ordination with onsite engineer and with customer for daily work input and design iteration, quality and delivery.
- Responsible for quality checks, quality assurance for customer deliverables and review meetings & issue resolutions.
- Managing overall operations for executing projects involving scoping, design & architecture, resource mobilization, execution within time parameters with adequate quality.
- Proper documentation of all project deliverables and record of all type of communication with onsite engineer, client and inter disciplinary.
- Quality assurance of all deliverables by strictly adhering to quality processes.

SOFTWARE KNOWLEDGE

- Instrument selection and sizing softwares like Instrument Toolkit for Emerson, Fisher® Specification Manager of Fisher and Endress+Hauser Applicator software.
- CenterONE Configuration Software for MCC selection and sizing of Allen-Bradley.
- AutoCAD Electrical 2014 2D.
- Hands on experience on PLC programming software like Proficy Machine Edition, ME, Versapro, RSlogix 500, RSlogix5000, Simatic Manager as well as SCADA application development software like iFIX, iHistorian, Wonderware, Cimlicity, Rsview 32 and FT View Studio SCADA.
- Integrated Architecture Builder Tools of Rockwell Automation for Hardware selection.
- Complete web design capabilities ranging from front end web development to back-end programing which includes HTML5, CSS3, Javascript (Jquery), PHP Scripting language, MySQL database, Github, Bootstrap, Suitable MVC frameworks. Generally I am using these capabilities to make portal which can be used by team &or

organization I am working with.
- Programming C & C++ - Entry level.

WORK EXPERIENCE
- Larsen & Toubro Technology Services, Vadodara, India (**Sept. 2011 to till date**) **- Total 4.5 years**
- Pima Controls Pvt. Ltd., Ahmedabad, India (**Aug. 2010 to Sept. 2011**) is one of the leading Allen-Bradley authorized company serving as automation and control system integrator and provider. **– Total 1+ year**
- Dynamic Innovation Pvt. Ltd., Ahmedabad, India (**Aug. 2008 to Aug. 2010**) is one of the leading GE intelligent Platform (GE Fanuc) authorized company serving as automation and control system integrator and provider. **– Total 2 year**

PROJECT HIGHLIGHTS

Client: P&G Alexandria, USA (P&G, L&T)

Projects: Some big project executed from conceptual to detail engineering in past 4 years in different fields listed below.

Projects for   :
- Packing & Making lines
- Fabric & Home Care
- Chemical plants
- Power plants
- Pharmaceutical plants
- Water treatment plants

Role   :   Design Lead (Instrumentation, Electrical & Control)

Contribution:
- Conceptual Design Basis & Front end engineering
- Detail Engineering Packages
- Project Estimation and Management
- Vendor specification Packages
- Power and Control Study
- Long Lead BOMs
- Design and Development of Control System Architecture, Automation
- Involved in P&ID Development and review

Design, Preparation, Self-Review, Peer review & getting the Approval of the following engineering deliverables

- Contribution to Development of P&ID and Mechanical Model.
- Bill Of Material
- Selection and Sizing of Field Instruments.
- Preparation of Instrument datasheet.
- Preparation of loop, Interlock logic & Elementary diagram.
- Preparation of PLC I/O List and I/O Count.
- Control cable schedule and Power cable schedule/sizing.
- Name plate and Tag list for all instruments and equipment.
- Motor Equipment and Device list.
- General Instruments and Electrical specification
- Development of Control system Architecture.
- Preparation of Interconnection Diagrams.
- Preparation of Device Location Layout.
- Preparation of conduit and cable Tray layouts.
- Control Panel designing & Cable schedule preparation.
- Preparation of Control System Functional Description.
- Preparation of Lighting Layout & Luminaire selection.
- Preparation of Electrical Single Line Diagram and MCC, control panel GA drawings.
- Preparation of various layouts such as Cable tray/ raceway, Lighting, grounding
- Loop, Cable Block & JB Interconnection Diagrams
- Distributed Control System Specification

Client: Continental, India (Plant Engineering, L&T)

Project   :   Radial Tyre Expansion Project (2 Months)
Role   :   Team Member (Instrumentation & Control)

Contribution:
- Involved in P&ID Development and review.
- Preparation of Control System Architecture.
- Preparation of Instrument Index.
- Preparation of PLC I/O List.
- Preparation of Instrument Datasheets.
- Preparation of Control Valve Datasheets.
- Preparation of Control System Specification.

Client: Stepan, USA (Plant Engineering, L&T)

Project   :   Anaheim Glass Lined Reactor Replacement Project
                       (FEL3) (1 Months)

Role   :   Team Member (Instrumentation & Control)

Contribution:
- Involved in P&ID Development and review.
- Preparation of Control System Architecture.
- Preparation of Instrument Index.
- Preparation of PLC I/O List.
- Preparation of Instrument Datasheets.
- Preparation of Preliminary Control Panel GA.

Client: Valspar, Kentucky USA (Plant Engineering, L&T)

Project   :   Automation System Up gradation Project (4 Months)
Role   :   Team Member

Contribution:
- Upgrade of exiting PLC 500 control system to ControlLogix Platform (RSlogix 500) by program conversion
- Developed SCADA on iFix Platform for whole plant.
- Developed Alarm generation and logging system on iHistorian.

Client: TATA NANO, Sanand, India (Pima Controls Pvt. LTd.)

Project   :   Paint Shop SCADA Development (8 Months)
Role   :   Team Lead

Contribution:
- Automation system Design, development and installation
- 20 ControlLogix System
- PLC Hardware selection
- PLC panel design and installation
- RSLogix 5000 Programming
- FTView SE SCADA Design and Development
- Fiber Optic Network ring topology Design and Installation for 22 ControlLogix nodes.
- Data gathering from 22 ControlLogix rack and updating & displaying to main ControlLogix through SCADA with real time alarm configuration

Client: Surat Lignite Power Plant, Surat, India (Dynamic Innovation Pvt. Ltd.)

Project   :   Ash Handling Power Plant Automation (6 Months)
Role   :   Team Lead

Contribution:
- Automation system Design, development and installation
- Control System Design, development and installation
- Redundant PLC Hardware selection
- PLC panel design and installation
- GE Fanuc RX3i System programming
- Ciplicity SCADA Design and Development
- Fiber Network for intra PLC and remote I/O
- Data gathering from remote rack and updating & displaying to SCADA with real time alarm configuration

Client: DM Water Treatment Plant, Bharuch, India (Dynamic Innovation Pvt. Ltd.)

Project   :   Demineralized Water Treatment Plant Automation at NTPC (2 Months)
Role   :   Team Member

Contribution:
- Automation system Design, development and installation
- Control System Design, development and installation
- PLC Hardware selection
- PLC panel design and installation
- GE Fanuc VersaMax PLC programming
- Ciplicity SCADA Design and Development
- Fiber Network for intra PLC and remote I/O
- Data gathering from remote rack and updating & displaying to SCADA with real time alarm configuration

Client: Local Clients, India (Pima Controls and Dynamic Innovation Pvt. Ltd.)

Project   :   DM Water Treatment Plants, Automation of Textile Machine, Pharmaceutical Machine, Reciprocating Air Compressor Systems, Stacker Reclaimer & Wagon Tippler machine automation etc.
Role   :   Individual Executor

Contribution:
- Automation system Design, development and installation
- Control System Design, development and installation
- PLC Hardware selection
- PLC panel design and installation
- PLC programming
- SCADA Design and Development
- Control system networking base on different communication protocol

Achievements:

➢ Recently awarded employee of the month in L&T for innovation & innovative ideas I have contributed.

➢ Recently awarded innovation champion of the year for leading innovative activities with organization.

➢ I have got an Employee of Year Award in my 1st company.

➢ Participated in National Level Seminar held at Gondal, Gujarat and represented my research paper on the "MOTION OF THE OBJECT IN SPACE" and given speech.

➢ Received certificate award on my research from professor of physics.

➢ Got best student award in SSC and HSC.

Personal Profile:

Name	:	Gopal Ranchhod Vora
Father's Name	:	Ranchhod Tida Vora
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
Hobbies	:	Coding (Programming), Writing Blogs, Internet research, Reading International News, Reading Books, Playing cricket, Drawing
Permanent Address	:	Bordi Samdhiyala, Ranchhod Nagar Society Ta: Jetput, Dist: Rajkot 360370
Phone No	:	9978990233
Date of Birth	:	14-01-1986

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Baroda   **(Gopal Vora)**