***Nigel Wheeler***

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*Summary:*

Over 14 years of experience in DCS Controls Systems Programming with Process Controls and Field Instrumentation Integration, Technical & Design; in the Polymer, Petrochemical, Natural Gas, Food & Drug and Refining Industries including in-plant assignments. My roles have been an I&E Lead Designer, Senior Designer, DCS Process Controls Specialist on many small in-plant I/E packages to large grass-root engineering and construction packages that included power, lighting, grounding, instruments and DCS Upgrades. Efficient with personal computers and the following software programs: AutoCAD, Intools SmartPlant (minor design due to facility/s recent acquisitions), Windows NT, Microsoft Office, Excel, Specmaster and various instrument sizing programs. My career was spent in the field as an Instrumentation Technician, which advance my role as a Maintenance Instrumentation Designer and DCS Controls System Specialist where I was involved in controls and programming projects. For the past 5 plus years I have been mostly in Process Controls.

Experience with the following DCS Programming systems for Engineering, Field and Process Optimization: Honeywell TDC 3000 and Experian, Delta V 8.3 – 12.2, SCADA Systems Wonderware v 7.0/8.0, pre-commissioning and commissioning inputs and outputs, OPTO 22, Emerson Field bus, Modbus / Modicon, Provox, Allen Bradley Control Logixs / Links 5.0., ABB, Allen Bradley SLC 5/05-5/80 PLC’s, Valtek valves w/5000-6000 smart positioners, Fisher Controllers 4210-4211-4212 positioners, Rosemount 1151, 3051, 3044, 3144, 3211, 3244, 3095 MV’s, Merian Handheld programmers, Hart Handheld programmers, E&H Meters and Radars, Triconex, Honeywell 3000 Smart Transmitters and MV’s, applied Automation.

SAP Instrument / Electrical Planning and scheduling.

*Professional and Project Experience:*

2/2014 – Present **Preferred Engineering. Nassau Bay. TX**

***Control Systems Specialist***

11/2011 – 2/2014 **Contech Controls Services. Laporte. TX**

***Controls Systems Specialist***

3/2010 – 11/2010 **EnGlobal Engineering. Beaumont. TX**

***Controls Commissioning Specialist***

* Responsible for configuration, programming, designing, developing and commissioning control systems
* Assigned the tasks of developing automated control systems like equipment and programmable logic controllers
* Process control and safety instrumented system assignments
* Calculating, assigning the assignment of field devices to be implemented for RFQ’s
* Ensured compliance with regulations as well as developed new business proposals
* Handled the responsibilities of developing hardware architecture like sensors, CPU's, I/O, and cabling
* Responsible for solving system problems and managing the operation of systems
* Performed other related tasks as assigned under the instructions of Senior Control System Engineer
* Researched and documented requirements for completion of small projects. This includes Instrument specification sheets, bills of materials and complete written description of how to assemble, complete many various projects.
* Utilized AutoCAD software

6/2008 – 1/2010 **Amerapex Engineering. Houston. TX**

***Instrumentation / Electrical Designer***

12/2007 - 6/2008 **Houston Controls Inc. Deer Park. TX.**

***IE Designer / Controls Specialist***

* Process control and safety instrumented system assignments
* Calculating, assigning the assignment of field devices to be implemented for RFQ’s
* Ensured compliance with regulations as well as developed new business proposals
* Handled the responsibilities of developing hardware architecture like sensors, CPU's, I/O, and cabling
* Responsible for solving system problems and managing the operation of systems
* Perform PLC programming and startups for Control Systems
* Perform Control panel testing.
* Perform FAT and SAT coordination.
* Office and Onsite projects
* I/O loop designer and configuration via AutoCAD software.

4/2007 – 12/2007 **Turner Industries Group. Deer Park. TX**

***Maintenance Supervisor***

* Maintenance department Supervisor
* Daily maintenance planner and scheduler
* Coordinate with the Production group and HSE on Projects, Audits and Schedule outage.
* Manager 0f a 60 individuals stage. Which includes craft foremans and lead individuals.

9/2006 - 4/2007 **Mundy Company. Pasadena. TX**

***Instrumentation Designer / Technician***

11/2005 - 9/2006 **Syngenta Inc. La Porte, TX**

***Instrumentation Controls System Designer / Technician***

1/1998 - 2/2005 **Austin Industrial Pasadena. TX**

***Instrumentation Technician / Planner Scheduler***

* Process control and safety instrumented system assignments
* Handled the responsibilities of developing hardware architecture like sensors, CPU's, I/O, and cabling
* Responsible for solving system problems and managing the operation of systems
* Perform PLC programming and startups for Control Systems
* Perform Control panel testing.
* I/O loop designer and configuration via AutoCAD software.

*PROJECT CAPABILITIES*

|  |  |
| --- | --- |
| * HMI Applications | * Commissioning and Start up |
| * Networking | * Procurement/Expediting |
| * Functional Design Specification | * Training * Controls Systems Configuration |

*SKILL SUMMARY*

|  |  |  |  |
| --- | --- | --- | --- |
| **Industrial Processes** | **Platforms** | **Programming** | **Other Skill Areas** |
| Refinery O&G, | Delta V | Delta V | Windows OS |
| Chemical, | Experian PKS | Siemens | AutoCAD |
| Food and Drug | TDC 3000 | Rockwell | Microsoft Office |
| Commercial |  | GE  Allen Bradley | Microsoft Projects |
|  |  |  |  |

*Education:*

2002-2004 **Lee College Baytown. TX**

Associate of Applied Science (AAS)

*Instrumentation Technology*

Computer Aided Drafting and Design Engineering

Fieldbus/Profibus Certification

PLC programming Certification

GE, Allen Bradley, Siemens, OPTO 22

National Center for Construction Education Research (NCCER)

Level I Certification

Level II Certification

Level III Certification

Level IV Certification

Applied Automation Maxum Training

Associated Builders Contractors Apprenticeship Training.

2014 – Present **Lee college Baytown. TX**

*Control and Instrumentation Engineering Technology*.

(BS program; In Progress now)

*References available upon request.*