



**JIMMY DAN ALEXANDER, JR.**

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**EDUCATION**

- 1979 - Friendswood High School, Friendswood, TX
- 1981 - Tyler Junior College, Tyler, TX - Dean's List
  - Two year Associates Degree in Applied Science/Drafting Technology
  - AutoCAD LISP Programming class - 1990
- 1984 & 1986 - Toshiba, Houston, TX
  - AC Variable Speed Drive Applications School
  - AC Variable Speed Drive Service School
  - Programmable Controllers (PLCs) Applications and Programming School
- 1992 - Honeywell, Phoenix, AZ
  - TDC 3000 DCS Technical Application and Programming School
- 1995 - Stahl, Inc. Intrinsic Safety Training Program
- 2006 - Siemens PCS-7 DCS training
- 2006 - HIMA Safety System Solutions Integrator Program
- 2006 - Certified for Underwriter's Laboratory (UL) panel fabrication

**WORK EXPERIENCE**

**Daigle Automation, Inc. - Flint, TX**, September 2003 - Present

*Sr. Control Designer*

- Generate schematics, interconnections, wiring diagrams, instrument loop drawings, panel layouts, control details, logic diagrams, function diagrams, cause & effect drawings and P&IDs in AutoCAD.
- Design panels for field and control room installations in both hazardous and non-hazardous locations.

**Petrofac / Howe-Baker - Tyler, TX**, 1989 - September 2003

*Sr. Control Designer*

- Generate schematics, interconnections, wiring diagrams, instrument loop drawings, panel layouts, control details, logic diagrams, function diagrams and cause & effect drawings in AutoCAD.
- Design panels for field and control room installations in both hazardous and non-hazardous locations and write logic programs for PLC and DCS systems.

**Gas Services, Inc. - Tyler, TX**, 1988 - 1989

*Production and Documentation Supervisor*

- Generate all electrical, schematic and panel layout drawings in AutoCAD.
- Responsible for inventory, purchasing, production, quality control, systems checkout and construction of the electrical control panels.

- Engineer and manufacture systems for the oil and gas industry and AC variable speed drive systems for the heating, ventilating and air conditioning (HVAC) markets per customer specifications.

*RDC Controls, Inc. - Whitehouse, TX, 1985 - 1988*

*Vice-President*

- Provided AC variable speed drive products to the industrial, commercial and petrochemical markets through a nationwide network of representatives.
- Maintained purchasing, shipping, and installation schedules, generated all electrical, schematic and panel layout drawings in AutoCAD.
- Responsible for inventory, quality control, purchasing, customer relations, personnel duties and the construction of electrical control panels.
- Assemble and market IBM compatible personal computers (PC's, Clones) under the RDC Controls product name to the general public and industry.
- RDC Controls, Inc. was acquired by Gas Services, Inc. in March 1988.

*Best Equipment Sales and Services, Inc. - Tyler, TX, 1984 - 1985*

*Electrical Draftsman*

- Responsible for electrical schematic and layout drawings generated in AutoCAD for various types of oil field CO2, polymer and water injection systems and HVAC applications.
- Purchasing and inventory control.
- Involved in the construction of electrical control panels, conduit running, wire pulling and trouble shooting.

*Mesco Motors and Controls, Subsidiary of Gardner Engineering, Tyler, TX, 1984*

*Manager*

- Responsible for complete re-organization of the company. Sold fractional horsepower and large frame motors and motor controls.

*Gardner Engineering, Tyler, TX, 1982 - 1984*

*Electrical Draftsman*

- Involved in a two-year engineering project consisting of the electrical design of Capital Cement in San Antonio, TX.
- Responsible for all electrical and instrumentation drawings including schematics, control panel designs, motor locations, individual conduit routing layouts, plan drawings, individual wire and conduit numbering systems and bill of material lists.
- Field experience consisted of assisting H.B. Zachary Construction Co. with electrical and instrumentation installation, troubleshooting of electrical control panels, field wiring and calibration of all instrumentation loops.

*Syscon Engineering Corp., Whitehouse, TX, 1981 - 1982*

*Electrical Draftsman*

- Responsible for mechanical and piping technical drawings for oil field drilling rigs, and electrical schematic and layout drawings.
- Updated the electrical and instrumentation system for Texas Oil and Gas, in Avenger, TX.
- Responsible for all electrical, instrument, mechanical and structural drawings.
- Assisted in the construction and installation of electrical control panels and main skid mounted control center building.

## SYSTEM EXPERIENCE

Experience with estimating, designing, implementing and commissioning the following control systems:

- Modicon 984 PLC
- Allen-Bradley (A-B) PLC-5, SLC-500, MicroLogix, ProcessLogix and ControlLogix PLCs, A-B PanelView Human Machine Interface (HMI)
- Siemens S7-200 and S7-300 PLCs, Siemens Simatic HMIs
- Siemens PCS-7 DCS
- Eaton Cutler-Hammer (C-H) ELC PLC, ELC HMI and C-H PanelMate ePro HMI
- Foxboro IA Distributed Control System (DCS)
- Honeywell TDC-3000 (GUS and US) DCS
- Honeywell Fail Safe Control (FSC) Emergency Shutdown System (ESD)
- HIMA ESD System
- HIMA HIMatrix PLC
- Moore APACS DCS
- Fisher-Rosemount DeltaV DCS
- Triconex Trident PLC
- Red Lion HMIs
- Dynamic Fluid Flow Computers
- Burner Management Systems
- Compressor Control Systems
- Fire and Gas Systems

## FIELD START-UP EXPERIENCE

- Capital Cement, San Antonio, TX
- Delhi Gas Plant, Avenger, TX
- British Petroleum Alliance Refinery, New Orleans, LA
- Unocal, Beckham County, OK
- Hill Petroleum Co., Houston, TX
- Phibro Refining, Inc., Krotz Springs, LA
- Phibro Refining, Inc., Houston, TX
- Lone Star Gas Liquids Processing, Inc., Hydrotreater, Bakersfield, CA
- Conoco Wingate Refinery, UOP Isom Unit, Gallup, NM
- Enppi / APRC, UOP PENEX Unit, Alexandria, Egypt
- Frontier Refinery, ExxonMobil SCANfiner Low Sulfur Unit, Cheyenne, WY
- DynMcDermott Petroleum Operations, DOE - Strategic Petroleum Reserve, Winnie, TX