

Joe Slaughter Joe@layer1holdings.com 701-610-3058

I architect Programmable Logic Controls into Manufactures Equipment

Industrial Automation, Distributor, Customer Focused Integrator

Architecting Control Panel Design, Modernizing Automation to Existing Industrial Equipment (Retrofit)

Bachelor of Science in Chemical Engineering, University of North Dakota

Entherm **Senior Controls/Sales Engineer/Integrator** December 2019, Current

Watlow PLC Distributor/Integrator Electrical Heat for Manufacturing (Control Panels)

103 and counting Autocad Electrical Drawings from Pump Lift Stations to Semiconductor PLC Systems

Programable Logic Controller integrator for: Watlow, IMO Automation, Eurotherm, Set User Requirements,

Specifying 260 Unique Products to over 400 Unique Customer Assets in the last 5 months

Define Requirements for Reverse Osmosis Membrane Manufacturing with Allen Bradley/Rockwell for Customer

Layer 1 Holdings LLC **Microsoft Dynamics 365 Distributor/Integrator** Pivoted 2023, Current

DefineTheBox.com Customer Relationship Management with Quality Management System for Assets to Track

Life Cycles, Return Material Authorizations, Corrective Actions, Preventative Actions and Vendor Relationships

Examples: DefineTheBox.com DefineTheBox.com/Risk Layer1Holdings.com/PIDs Layer1Holdings.com/CFO

Cantel now Steris

Medical Device IQ/OQ/PQ Functional Test Documentation of 225 Hollow Fiber Spin, 2 years

Piping/Process and Instrumentation Diagrams

Cargill **Project Development Group** 6 years

Functional Test and Process Narrative Architect using DeltaV (Lime Water Treatment, RO, Demineralizers, Boilers)

User Required Specifications: Process P&IDs, Instrument Use (Biodiesel, Edible Oil, Corn Milling, Utilities)

Failure Mode Effect Analysis; Device, User, Process and Business (Process Development Group)

Permissive, Interlock, Alarm Rationalization, Safety Devices, Controls Design and Functional Test

Standard Operating Procedure Development

6 Million Month End Accounting and Allocation of Fuel and Electrical of Plant Departments (P&L Management)

0.5 M Coal Use Reduction and Savings

HACCP Hazard Analysis Critical Control Point for Food and Beverage Manufacturing Safety

Capital Projects and Change Order Management

Unit Operation Experience

High pressure steam boilers, Burner Management Systems (BMS), Electric Heating Applications, steam turbines and electric generation, Cooling Towers, Lime Cone Water Treatment, reverse osmosis, Water Deionizers, gravity separators, plug flow reactors, continuous stirred tank reactors, resin bed separation, distillation columns, screen separators, cyclones, steam tube dryers, heat exchangers, condensers, Plastic Injection Molds, Extruders, Semiconductors