



Position Description

SYSTEMS ENGINEER

Systems Design, Configuration & Testing, Development, Technical Support, Technical Leadership

Primary Purpose

- To Develop & Implement Automation and Information Systems Projects through software & hardware development activities being commercially alert to outcomes that meet client requirements.
- To ensure project milestones are always met by carefully preparing task lists, understanding conceptual design and communicating any potential creep.
- To ensure PARASYN deliverables (design documents) accurately reflect commercial and technically capable solutions.

Direct Report

Automation Project Manager or Senior Systems Engineer

Resource Management

- Internal Engineering Staff
- Software Vendors

Key Accountabilities

- Always meet agreed deadlines and promises. Be 100% reliable with promises made.
- Daily review task lists, meet agreed targets and record time sheets. Provide regular written updates (at least weekly) to project managers of task accomplishment or any hold points
- Understand and use the QMS
- Design before execute

Key Personal Attributes

- According to PARASYN Personnel Profile

Possible Routine Tasks

- Prepare detailed task lists
- Prepare Manuals, Training Guides, Application Guides, System Manuals, Testing and Commissioning Documents
- Systems Testing and Debugging on and off site
- Contribute to the Knowledgebase



- Perform Application Development
- Programming, Testing, Design and commissioning of: RTU, PLC, SCADA, Historians, Drivers, Middleware applications, Messaging Systems, Mail Servers, Client Applications, MS Excel, MS Access, Reporting Systems, Data Communication Devices, Telecommunication Devices, Basic Network Administration
- Testing and commissioning on and off site
- IO Interfacing Design and Specifications
- Prepare Correspondence
- Attend planning meetings and contribute to technical and non-technical requirements
- Prepare accurate estimates for work packages
- Prepare for and participate in monthly 1-1 discussions
- Provide excellent customer service by following the customer service statement and procedure
- Be responsive with client requests including requests for quotations

Technical Skills

- Professional Engineering Qualifications or Equivalent
- Information Systems Implementation
- SCADA Software
- PLC/RTU Programming