Nalinda Mavilmada, EIT

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WORK EXPERIENCE

FERROVIAL SERVICES, WASHIGNTON D.C   Nov 2017 – Present
Project Engineer - DC Tunnels

- Manage, coordinate and assemble multidisciplinary work teams made up of internal staff and sub contractors.
- Provide technical knowledge on PLC programming that involves Fan Control, CO monitoring systems and Illumination controls inside Tunnels.
- Take a proactive role in identifying and notifying client of asset upgrades and preventative maintenance needed for continuous operation of equipment.
- Request prices from subcontractors and suppliers as required for assigned projects.
- Create detailed drawings, BOMs, schedules and proposals in liaison with Project Manager for current and upcoming projects.
- Conduct progress meetings on current projects to ensure all client deliverable are being met.
- Submit, monitor and justify of project pricing to client as well as documentation and justification of variations of cost estimates.

CAPRON INC, ROCKIVLLE-MD   Nov 2016 – Oct 2017
HVAC Project Controls Engineer

- Designed and Implemented PLC based control systems for building management systems.
- Produced Functional requirements diagrams, Network architecture diagrams, BAS point schedules, Control Panel BOMs, Control Panel wiring diagrams, Field wiring diagrams, System Flow diagrams and Sequence of operations for submittal.
- Developed DDC (Direct Digital Control) software program applications to control various HVAC systems.
- Diagnosed, Troubleshot and Resolved software issues installed on Building Automation Systems.
- Developed and Initiated standards and methods for process, control logic and sequences, testing evaluation and integration.

SIEMENS, BELTSVILLE - MD   July 2014 – Oct 2016
BAS Controls Specialist

- Performed startup and commissioning of Direct Digital systems. Develop, modify and install system programs (Siemens PPCL) to control all types of HVAC systems including AHU's, Chiller plants, Biosafety Labs BSL-1, 2 standards.
- Developed integration applications to communicate with multiple vendor systems by BacNet, and Modbus protocols.
- Worked together with Electrical Subcontractors to install wiring systems for HVAC Control systems.

PEG ENVIRONMENTAL SOLUTIONS, FAIRFAX-VA   April 2013-June 2014

Mechanical Efficiency Engineer

- Reviewed HVAC data, duct sizing, system sizing using ACCA Standards for residential spaces.
- Prepared correct equipment for order entry.

EDUCATION

George Washington University, Washington DC   Graduated in April 2019

Certification in Coding Boot Camp
Skills:

- HTML
- CSS
- JavaScript
- JQuery
- MongoDB
- MySQL
- Express
- Node.js
- ReactJS

- Designed and Developed 10 Plus Web Applications using above technologies:
- Collaborated with other developers to work on group project and maintained project workflow using GitHub.

University of Maryland Baltimore County, MD   Graduated in Dec 2012

M.S. in Systems Engineering

Senior Project – Smart Micro Grid System

- Applied the fundamental principles of Systems Engineering to developed the ground work needed to implement a Smart Micro Grid (SMG) System to replace a passive grid system.
- Formulated modeling, simulation and analysis techniques using Matlab to test the Key Performance parameters and address issues.

University of Maryland Baltimore County, MD   Graduated in Dec 2009

- B.S. in Mechanical Engineering