

Principal Systems Engineer

eCommunications, Inc. dba Everex Communications, Inc., is seeking a Principle Systems Engineer work independently on complex problems of diverse scope, work as a principal member of the R&D team, the Principal Systems Engineer will be responsible for the in house specification, architecture, design, development, integration and verification of eCommunications (DBA: Everex Communications) wireless HVAC, lighting control products.

Job Duties:

- Software architecture, design and implementation for embedded real-time systems for WT31 Wi-Fi, 802.15.4 wireless
- Design and implementation of tools for remote upgrade, diagnostics and debugging for existing and new products
- Architect, design and develop next generation Wireless gateway devices for HVAC and Lighting controls
- Extend software capabilities and manage the existing software and firmware systems for HVAC sensors
- Extend the integration capabilities of Wireless gateway EC1 and next generation gateway for integration with existing BMS systems
- Providing support for 3rd party building management systems and integration issue
- Ensuring compliance at all levels with existing open standards in addition to developing the conceptual models, protocols and interfaces required to support the increasing functionality of our system in enterprise scale environment
- Train and lead engineering teams as required

Minimum Requirements:

- Bachelor's degree in Computer Science, Engineering, or a related technical field
- 6 years of experience in job offered or as a Systems Engineer, Systems Analyst, Software Engineer or a related computer engineer occupation.
- Experience must specifically include a minimum of 3 years of the following:
 - Experience in the development, design and analysis of firmware and software on 8-bit, 16-bit or 32-bit microcontrollers
 - Software & Firmware Development
 - Complete product development lifecycle
 - C, C++, C#, Ajax, HTML, JavaScript
 - Web application development
 - Android and iPhone application development
 - BACNet - low level BACNet Protocols
 - Interfacing or Integration of different BACNet and Lighting control systems
 - Lighting control system protocols including DALI, 0-10V, ZigBee
 - Experience with Wi-Fi/Ethernet networking protocols including TCP/UDP/IP and 802.15.4 radios
 - Experience and working knowledge of building management control systems such as Honeywell EBI Schneider SmartStruxure Lite, Johnson Controls Metasys Building Automation, or Alerton Envision.
 - Project Management