Job Responsibilities and Duties :  
  
- The candidate will be responsible for designing and developing the embedded software for IoT gateway that coordinates the operations of wirelessly connected IoT sensor devices with a cloud-based control system.  
  
- The gateway software handles the requests that are generated by the IoT cloud systems and manages the data that are generated by the connected IoT devices/sensors. The software also controls and monitors the IoT devices as well as manages the network connections of the devices and cloud system. Such gateway/hub functionalities are implemented using high level languages.  
  
- Good understanding of IoT sub-systems, device life-cycle management, system life-cycle management and communication protocols, for example: IoT Protocols: MQTT, HTTPS, TLS, APIs, Wifi, Cellular, Bluetooth.  
  
- Shaping and defining the architecture and development strategy for the IoT device SDK.  
  
- Strong C, C++ programming skills and experience working with sensors, interfaces and peripheral drivers.  
  
- Fair knowledge of Linux system and architecture.  
  
- Experience in understanding and creating requirement, design and solution documents.  
  
Skills (Mandatory) :  
  
- IoT Gateway and sub-systems,  
  
- C, CPP, MQTT, HTTPS,  
  
- Linux system and architecture,  
  
- SDK development  
  
Qualifications and Experience  
  
- B.E / M. E /MTech in Electrical & Electronics / Electrical & Communications / Computer Science  
  
- Experience - 8 - 15 years