

Dear Job Aspirant,

We wish to connect with you for below position of **IoT Gateway Application Developer**

- Designation: **Sr Software Engineer**
- Qualification: Bachelor's degree in computer science, IT, E&TC, Mechanical or equivalent.
- Location: Pune
- Experience: 3 – 5 years

#### Company Profile :

Founded in 1999, Softdel (a UNIDEL company) connects devices, enterprises, and people. Our distinctiveness lies in simplifying enterprise connectedness in smart buildings and smart factories creating unprecedented benefits for our customers and their eco-systems. Headquartered in Stamford, CT, USA, with offices in Japan, and India, we deliver domain expertise and technology-driven solutions to help companies turn digital challenges into opportunities. Our two-decade-long product engineering experience of serving global leaders in the automation & controls industry has catapulted Softdel to an enviable position in the Industrial and Buildings IoT value chain.

For more information, visit [www.softdel.com](http://www.softdel.com). Follow on [LinkedIn](#) and [Twitter](#).

#### JOB Description:

##### Role Summary

We are looking for a **Senior Software Engineer** with strong expertise in **C/C++ for IoT and Cloud-based systems**. The candidate will be responsible for designing and developing **IoT gateway and device-side applications**, integrating with **AWS Cloud**, and ensuring secure, scalable, and high-performance solutions for industrial systems, particularly in the **HVAC domain**.

The role demands an engineer who can work **independently**, contribute to **system architecture**, and produce **high-quality technical documentation** including **Requirement Specifications and Design Documents**.

##### Key Responsibilities

###### Software Development

- Design, develop, and maintain **C/C++ applications** for IoT gateways and edge devices.
- Implement **cloud connectivity** using **AWS IoT Core**.
- Develop communication layers using **MQTT, Modbus (RTU/TCP)**, and REST APIs.
- Handle **configuration files** (JSON/YAML/XML) and enable **dynamic data mapping** for device parameters.
- Build scalable solutions for **real-time data acquisition, processing, and cloud synchronization**.
- Experienced in implementing secure development methodologies, ensuring robust protection of sensitive data and systems integrity

###### Cloud & IoT

- Integrate devices with **AWS services** such as:
- AWS IoT Core
- Lambda
- S3
- DynamoDB / RDS
- Implement secure authentication mechanisms (certificates, policies, TLS).
- Support **firmware upgrade mechanisms (OTA)**.

## Quality & Security

- Write **unit and integration tests** using frameworks such as:
- Google Test (GTest)
- CppUTest
- Follow **secure coding practices** and industry best practices.
- Ensure compliance with **cybersecurity standards** and data protection requirements.

## Documentation & Process

- Create and maintain:
- Detailed **Requirement Specifications**
- **High-Level and Low-Level Design Documents**
- API documentation and system diagrams
- Participate actively in **Agile ceremonies** (Sprint Planning, Reviews, Retrospectives).
- Track work using **JIRA** and maintain knowledge in **Confluence**.

## Mandatory Skills

### Technical

- Strong proficiency in **C and C++ (Embedded/Linux)**.
- Hands-on experience with **AWS Cloud and AWS IoT Core**.
- Deep understanding of **MQTT, Modbus**, and device communication protocols.
- Experience with **Linux-based systems** and networking concepts.
- Expertise in **unit testing frameworks** and test-driven development.
- Experience in handling **configuration files and dynamic device models**.
- Knowledge of **multi-threading, memory management, and performance optimization**.

### Tools & Practices

- Git (GitHub / GitLab / Bitbucket)
- CI/CD pipelines
- Agile/Scrum methodology
- JIRA, Confluence

### Soft Skills

- Strong **verbal and written communication** skills.
- Ability to work **independently** with minimal supervision.
- Capability to interact with **clients and stakeholders** for requirement discussions.

### Good to Have (Preferred)

- Knowledge of **GDPR** and **ISO 27001** compliance.
- Experience in building **IoT Gateway Applications** for **European customers**.
- Domain experience in **HVAC / Building Management Systems (BMS)**.
- Experience with:
- OPC-UA
- BACnet
- Digital Twin platforms
- Exposure to **DevOps practices** and cloud cost optimization.

Regards,  
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