



POSITION PROFILE

Client Organization:	RYCOM Corporation
Position Title:	Integration Developer/Data Engineer
Reports to:	Manager, Smart Buildings
Location:	Vaughan, ON

THE ORGANIZATION

RYCOM is a trusted leader in Smart Tech solutions for public and private sector real estate, properties and portfolios for over 20 years. The RYCOM team develops, delivers and supports the innovative strategy and the integrated layers of technology required to create Smart Buildings today that meet the demands of the future. By staying at the forefront of technology solutions, utilizing best-in-class support models, and delivering quality services with the highest level of care and support, RYCOM simplifies technology for clients so they can focus on their core business while achieving operational, environmental and measurable results.

THE OPPORTUNITY

RYCOM is looking for a developer or Data Engineer to assist with the integration of disparate systems. The ideal candidate will be flexible and constantly learning, in order to react and adapt to evolving requirements. She (or he) will be strongly pragmatic, understanding and able to work within, or around, the limitations imposed by existing infrastructure and business realities, while at the same time advocating and working towards “The way things SHOULD be”. Whether a RESTful API call, an ODBC connection, or a shell script to FTP a flat file, it’s about what works, avoiding “Paralysis by Analysis”, and producing a result. Low levels of office politics, support to do the job, and the opportunity to learn, grow and shape both yourself and the role are some of the intangible benefits. A sense of humor will help.

RYCOM commonly uses timeseries and other data from sources such as utility providers, metering systems, building automation systems, elevators, industrial control systems, customer databases and IOT sensors. This data needs to be extracted, transformed, manipulated and stored in such a way that our engineers can make use of it to assist our clients in achieving results; whether that be a decrease in building energy consumption, an improvement in occupant safety or comfort, or a reduction in labour for the building operations team.

JOB ROLE

- Provide input into the development of backend infrastructure
- Assist IT team in the creation of configuration standards for infrastructure (Hardware, software)
- Interface with the engineering team to understand customer data requirements
- Internal resource for non-technical and sales team to help scope projects
- Being an advocate for innovation



RESPONSIBILITIES

- Creating, deploying and scaling ETL pipelines using a variety of technologies. This may include
 - Interfacing with RESTful APIs
 - Importing CSV files
 - Web Scraping
 - SQL scripts
- Creating scripts for data offloading or transfer between systems (SQL to API, API to API, CSV or JSON dumps)
- Assisting in maintenance and troubleshooting for data flow mechanisms.

THE CANDIDATE

The successful candidate will demonstrate the following competencies:

- Ability to effectively communicate in both technical and non-technical terms, and understand requirements
- Ability to work independently, but towards team goals
- Ability to prioritize, multitask and work effectively under pressure to meet deadlines.
- Ability to use a wide variety of open source technologies and tools
- Ability to write a variety of scripting code (Python, R, PHP, Java, SQL, Shell scripts, etc.)
- Experience with systems and IT operations (Linux and Windows)
- A strong focus on business outcomes
- Comfort with collaboration, open communication and reaching across functional borders

ADDITIONAL SKILLS

The following skills are considered strong assets

- Experience with management of databases (structure and schema, optimization)
 - Familiarity with BI platforms such as Tableau, PowerBI, Grafana or others
 - Some ability with data science (Data normalization, Baselineing, Forecasting, Modeling)
 - Previous exposure to industrial or mechanical control systems and protocols (OPC, BACNet, ModBus, Niagara, nHaystack, LoRa, NodeRed, IoT)
 - Some understanding of AWS, Azure or Google infrastructure environments
 - DevOps tools and techniques continuous delivery and management of container-based microservices
 - Understanding of Big Data infrastructure (Hadoop, Splunk, ELK stack, etc.)
 - Experience with Authentication and Access (OAuth)
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Interested in applying?

Please submit your resume and cover letter by email to icanmakeadifference@rycom.com.