



Subject: Senior Embedded Software Engineer

Company Overview

Gastronomous is a fast-paced, dynamic start-up focused on revolutionizing how food is prepared and enjoyed worldwide! Having developed Canada's first fully autonomous kitchen (<https://youtu.be/KUXX4v16qAA>), Gastronomous realizes the "Kitchen of the Future" through advanced industrial automation techniques and cutting-edge technologies. This is just the beginning! Gastronomous is developing a network of interconnected, IoT-enabled, smart machines which will be released in a few months' time!

We are a no-nonsense team of passionate people with a bias for action. We know that our ability to execute on our ideas is what sets us apart. We do what we say we are going to do, externally and internally. We trust our people to act independently and make practical, real-world decisions.

If you are passionate about developing meaningful technology that creates meaningful solutions, then Gastronomous is the place for you! By joining our team, you will be immersed in a dynamic and thought-provoking environment that tests your capabilities and pushes you to new heights.

Gastronomous is looking for a **Senior Embedded Software Engineer** who will be a central part of our core engineering team and will work closely with the mechanical and electrical teams to connect our user interface and backend database to a real time mechatronic system.

This role is geared towards an individual with a can-do attitude and demonstrated passion for innovative technology as well as research & development. Gastronomous is looking for a **Senior Embedded Software Engineer** who has excellent analytical and debugging skills. As well, someone who can accelerate/improve the quality of our platform's software through test-driven development.

Primary Responsibilities:

- Desktop application development
- Implement user interfaces following defined requirements and design
- Integrate new and existing software into new and existing machinery
- Documentation of application development
- Build automated testing system to ensure software reliability
- Design and implement software of embedded devices and systems from requirements to production and commercial deployment
- Design, develop, code, test and debug system software
- Create architectural diagrams which demonstrate flow of data through the system
- Iterate on code, refactoring repeatedly to improve our software generality
- Create unit tests and system-level tests to verify code functionality
- Coordinate with hardware engineers and other staff to forecast whether the design will be feasible under cost and time constraints

**Requirements:**

- BS degree in Computer Science, Software Engineering, or equivalent qualifications
- Proven experience in embedded systems design with pre-emptive, multitasking real-time operating systems
- Experience with QT / QT Creator / C++
- Experience developing on a Linux based platform
- Understanding of functional programming and design patterns
- Experience with source control management, especially git
- Clean-coding skills, data skills
- Understanding of real time systems, development of software to run machines in a fast-paced environment

Soft Skills:

- Must be able to communicate thoughts and ideas effectively
- Must be able to work independently and with a multidisciplinary team
- Organized and efficient, able to self-manage projects and present deliverables on time or communicate delays
- Detail oriented with regards to machine development

Preferred Skills and Experience:

- ROS and ROS2
- Experience with HMI (Human Machine Interface) Development
- Experience in robotics and machine automation
- Strong troubleshooting skills
- Mechanically inclined
- Understanding of cloud-based systems and database management (Amazon Web Services)
- Experience with IoT systems
- Prior experience with robotics and industrial design is not necessary but is of great value

This is a full-time position with a competitive salary and benefits package. If you are passionate about robotics and have a strong desire to build products of the future, please apply today.

We look forward to reading every application and welcoming a new, bright mind to Gastronomous shortly!

If interested, please send your resume and any other relevant information to:

careers@gastronomous.ca

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