



## **CYBERSECURITY SOFTWARE DEVELOPER – REAL-TIME OPERATING SYSTEM**

### **Corporate Description**

MANNARINO Systems & Software Inc. is a leader in providing safety-critical systems & software engineering services to the aerospace, defense, space, simulation & power generation industries. We work with many of the top players within their industries giving our employees exposure to the most interesting and challenging development projects. This stimulating and invigorating working environment allows our team to be at the technological forefront constantly broadening their expertise and honing their skillset to fulfill the ever-growing global high-tech market needs.

The MANNARINO culture is focused on high quality, hard work, professionalism and team work within a highly respectful, motivating atmosphere geared towards long-term business growth.

### **BENEFITS:**

- a comprehensive group insurance and RRSP plan
- a flextime policy with paid overtime and off-site placement premiums
- discretionary bonuses
- a fitness reimbursement program
- other office perks such as catered weekly lunches and free hot beverages (espresso, coffee, hot chocolate and tea)
- regular company outings

MANNARINO is a privately-held Small & Medium Size Enterprise (SME) and was recently awarded the [AIAC's Innovation Technology Award](#).

### **Career Opportunity and Primary Roles / Responsibilities**

The cybersecurity software developer primary role is to advance the software security assurance program for M-RTOS, MANNARINO's new game-changing real-time operating system. The position is based in Montreal and will cover the following responsibilities:

- Update M-RTOS development processes to incorporate evolving software security best practices, including selecting/integrating industry tools related to security
- Training the development team on the updated development processes
- Support architecture risk analysis during design reviews, covering both the M-RTOS kernel and its associated development environment
- Develop M-RTOS security requirements
- Supervise the development/update of M-RTOS security related features
- Support M-RTOS Business Development for cybersecurity related questions

All the above tasks need to be executed taking into consideration current and future M-RTOS target markets, and the associated security related standards (RTCA/DO-326, RTCA/DO-356, Common Criteria. Working under the direct supervision of the Software Engineering Chief, the candidate needs to be detail-oriented and autonomous.

## **Required Competencies**

- Bachelor's degree in Computer Science or Software Engineering
- 5 years of experience developing low level embedded software
- At least 2 years of experience in a cybersecurity related position
- Ability to communicate effectively in English (oral and written)

## **Other Competency Assets**

- Experience with the C programming language
- Knowledge of RTCA/DO-178C or other safety-critical software life cycle processes
- Knowledge of cybersecurity standards in various industries
- Experience with Real-Time operating systems
- Ability to communicate effectively in French (oral and written)

## **Miscellaneous Requirements**

- Occasional travel required to customer sites (usually within North America)
- Possibility of assignment to customer site within the Montreal area
- Must be eligible to work in Canada

At Mannarino, we believe that passion and a desire to learn is crucial. Diversity of thought and experiences leads to innovative solutions and creativity. This is why we would like to encourage all those interested to apply.

**Please submit your application by**

**E-mail: [rh@mss.ca](mailto:rh@mss.ca)**

---

*We are an equal opportunity employer.  
All applicants will be held in strictest confidence.  
Only those selected for interview will be contacted.*

---