

## CITY OF HAMILTON

### PUBLIC WORKS DEPARTMENT

### GENERAL MANAGER'S OFFICE (STRATEGY, CONTINUOUS IMPROVEMENT AND QUALITY SECTION)

### LOCATION – 77 JAMES STREET NORTH

### EAM SCRUM TEAM SPECIALIST – A (DEVELOPER)

#### SUMMARY OF DUTIES

Reporting to the Manager Strategy, Quality and Continuous Improvement of the Enterprise Asset Management (EAM) Project, the EAM SCRUM TEAM SPECIALIST (DEVELOPER) will contribute to a dynamic team of professionals. The successful candidate will support project activities of the EAM Project within Public Works with the objective of supporting the development of processes, workflows, and configuring and implementing the EAM system that will positively affect the implementation of the Public Works EAM Project and enhance public service to the community.

#### GENERAL DUTIES

Support the workflow development, configuration and implementation of a Department wide EAM system.

#### Core Team

Participate in the project delivery models as a core team member providing expertise during Stage 1 Discovery and Design and acting in a Scrum Team member role during Stages 2 and 3 for Enterprise and Divisional setup, configuration, implementation and training support. This will include the following:

As a core team member, you can expect to participate in workshops, team meetings, scrum planning sessions, showcases, retrospectives and daily sprints.

Support the business analysis, requirements and associated documentation of the Enterprise and Divisions.

Support the development of models, database schema and processes.

Design and develop solutions for moderate to complex problems related to workflows, data ingestion and data consumption.

Develop user interfaces and user experience.

Provide technical support to other team members for analysis and testing.

Develop Enterprise and Division specific test cases and acceptance tests.

Identification of potential risks as well as development of plans to mitigate.

Work with training and operations to support training efforts, including the support of needs analysis, input and support of the design and delivery of training programs.

Participate in defining project scope; reviewing business requirements and ensuring key deliverables are conducted according to success metrics.

Regularly communicate/interface and build strong relationships with all appropriate stakeholders and project team members.

Serve as change agents who identify the organizational improvements needed, design systems to implement those changes, and train and motivate others to use the systems.

Required to provide daily updates via the reporting tools on work progress, activities, issues and time spent on each activity type.

Perform such other duties as may be assigned.

### **Scrum Team Requirements**

As part of a scrum team, each member plays an equal role in the work effort. Work assignments are shared across the group. It is not necessary to be a developer, although there will be need of a developer role. It is important that the EAM project balances out the skills and knowledge base of the team so that it may be successful. The following list of requirements are needed to have a well-rounded team. We are seeking the best candidates to round out this portfolio. Candidates are not required to have all the following skillsets so long as the team is comprised of the following:

- Developer – experience with Interfaces/Integration
- GIS/Arc GIS – specifically ESRI
- Database Analyst
- System Configuration experience
- Testing Experience
- Experience with Legacy Asset Management Systems (Infor IPS, Infor EAM, Archibus, Asset Planner, Avantis, BMS, Cityworks, HMIS, Trapeze)
- Experience within Public Works (Engineering Services, Environmental Services, Energy, Fleet, Facilities and Maintenance, Hamilton Water, Transit, Transportation Operations Management)
- Role requires that team members participate in daily meetings, which may be held online and will require them to participate via video and audio
- Role requires team members to capture their time using project tools to update their work progress daily via project/scrums tools

### **QUALIFICATIONS for SCRUM TEAM SPECIALIST – TYPE A**

1. Experience related to the duties listed above, normally acquired through the completion of a degree in Computer Science, Business Analysis, Computer Engineering or other related fields plus progressive work experience or an equivalent combination of education and work experience.
2. Experience with Computer Maintenance Management Systems and Asset Management Systems.
3. Knowledge and experience with Scrum methodology preferred.
4. Proven experience managing major system updates and data migration.
5. Ability to translate complex technical processes into business process impacts.
6. Knowledge of EAI technologies and the general challenges of heterogeneous application integration.
7. Experience with Middleware tools such as Microsoft Biztalk, SSIS and Enterprise Service Bus (ESB).
8. Experienced with the use of Java, Oracle SQL Programming, MsSql Server, C#, Microsoft Visual Studio, and the development of .NET solutions, Programming with the .NET Framework, Extensible Markup Language (XML), Extensible Stylesheet Language Transformations (XSLT), XML Schema Definition Language (XSD), REST Services, JSON, Swagger, BI#, Web Service use and development, Proficiency and/or familiarity with Infor ION Workflows and Processes.
9. Capable of making solid recommendations and designs for system configuration and/or integrations that are aligned to the Enterprise Architecture strategy and processes and take into account long term, sustainable, scalable solutions. Required to align to IT governance requirements and architectural designs.
10. Ability to work collaboratively with team, accepting and assigning work between team members and contractors. May, interchangeably, perform duties across team.
11. Strong asset management experience. Understanding of asset concepts such as hierarchies, service levels, work management, etc.
12. Experience with Geographical Information Systems (GIS) is an asset
13. Strong communication skills.

14. Experience in technology initiatives.
15. Knowledge of data modelling and data visualization tools
16. Ability to work in a collaborative team environment
17. Flexible and adaptable; able to work in ambiguous situations.
18. Resilient and tenacious with a propensity to persevere.
19. Organized, self-motivated and self-monitoring individual with good written and verbal communication skills
20. Knowledge of Enterprise Asset Management and Asset Management System(s).
21. Comfortable working in complex environments and multidisciplinary teams.
22. Have creative thinking and analytical approach.
23. A team player with excellent customer service and interpersonal skills, able to respect and deal with highly confidential and sensitive issues.
24. Attention to detail. Ability to work under pressure and to tight deadlines.
25. Initiative. Proactively identify issues and propose solutions/remedies.
26. Strong problem-solving capability.
27. Exposure to Cloud-based technologies is an asset.
28. Knowledge of Business Objects is an asset.
29. Knowledge of City Systems such a PeopleSoft, Lagan, ESRI, Microsoft BI are assets.