

Software Developer

Position Details

Position Information

Position Title	Software Developer
Department/Unit	Ocean Frontier Institute
Research Project	Ocean Frontier Institute
Location	Halifax
Posting Number	GP49-20
Employee Group	Grant-Paid
Position Type	Term
Duration of Contract (if applicable)	2 years with possibility of renewal
Employment Type	Full Time
Full-time Equivalency (FTE)	1.0
Salary	\$58,000 - \$72,000 (35 hours per week)

About the Organization

The Ocean Frontier Institute (OFI; <http://oceanfrontierinstitute.com>) is a major global hub for ocean research headquartered at Dalhousie University with partners at ocean research centers around the North Atlantic Ocean. OFI has established a Research Implementation Unit (RIU): a team of highly skilled and specialized technical staff who assist OFI researchers at Dalhousie with field research, data management and analysis, and interaction with key technical personnel from OFI partners.

The RIU supports ocean observation in Atlantic Canada and uses emerging technology to observe, understand and predict physical, biogeochemical and ecological change in the ocean. OFI has strong partnerships with the Marine Environmental Observation Prediction and Response (MEOPAR) Network of Centre of Excellence (<http://meopar.ca>) and the Ocean Tracking Network (<http://oceantrackingnetwork.org>), both hosted at Dalhousie University. OFI cooperates with multiple partners in Atlantic Canada, including founding partners Memorial University of Newfoundland and University of Prince Edward Island, and government partners such as the Bedford Institute of Oceanography.

Job Summary

Reporting to the Data Team Manager, the Software Developer will work with a team of developers and data managers to expand data management solutions for the various oceanographic information streams collected in the Northwest Atlantic Ocean. These solutions include the automation of data processing, insertion of data into databases, optimizing the data for public access, and distributing the data via program specific web pages or applications.

Key Responsibilities

- Manage processing and quality control of research data collected for various projects using different platforms.
- Participate in the design, requirements gathering, implementation and maintenance of data processing pipelines and websites to make data publicly accessible.

- Maintain servers, CentOS servers on virtual hosts, databases, and file systems (including backup systems).
- Provide technical support for various research projects and advise on best practices for generating, storing, and serving various types of data.
- Support colleagues with the use of software and hardware.
- Troubleshoot and solve technical issues that arise.

Note

Work outside of normal working hours to accommodate live operations will be required on an infrequent basis.

Occasional local, provincial, and/or national travel to attend conferences and events is required.

Qualifications

Undergraduate degree in Computer Science or related field (or combination of 3 years training and experience) is required. Experience working with databases is required, with knowledge of SQL highly preferred. Experience with object-oriented programming is required. Experience with scripting languages (Python, R, Matlab, etc.), as well as web technologies (HTML, CSS, JavaScript, etc.) is highly preferred. Experience using RESTful APIs, Django, CSS preprocessors, continuous integration systems, and knowledge of modern web frameworks (Angular, Vue, React, etc.) and the agile process are assets. Experience with Linux and macOS preferred. Must possess strong written and verbal English communication skills and have excellent attention to detail, with the ability to work independently and as part of a team.

Additional Information

Dalhousie University supports a healthy and balanced lifestyle. Our total compensation package includes a voluntary RRSP, health and dental plans and an employee and family assistance program.

Application Consideration**Diversity Statement**

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Indigenous persons, persons with a disability, racially visible persons, women, persons of a minority sexual orientation and/or gender identity, and all candidates who would contribute to the diversity of our community. For more information, please visit www.dal.ca/hiringfordiversity.

Posting Detail Information

Number of Vacancies	1
Open Date	08/13/2020
Close Date	09/07/2020
Open Until Filled	No

Special Instructions to Applicant

Quick Link for Direct Access to Posting <http://dal.peopleadmin.ca/postings/4165>

Documents Needed to Apply

Required Documents

1. Résumé / Curriculum Vitae (CV)

Optional Documents

1. Cover Letter