



# Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Links Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

Corporate Headquarters:

Toll Free Phone: (866) 225-9067

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# Job Board Posting



Careers.Indigenous.Link

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## Software Engineer

**Job ID** 89-71-9C-87-01-FF

**Web Address**

<https://careers.indigenous.link/viewjob?jobname=89-71-9C-87-01-FF>

**Company** National Research Council Of Canada

**Location** Penticton, British Columbia

**Date Posted** From: 2021-07-22 To: 2021-08-20

**Job** Type: Full-time Category: Information Technology

**Job Salary** \$57,220 To \$161,754 Per Annum

**Languages** English

### Description

The NRC Advantage

Great Minds. One Goal. Canada's Success.

The National Research Council of Canada (NRC) is the Government of Canada's largest research organization supporting industrial innovation, the advancement of knowledge and technology development. We collaborate with over 70 colleges, universities and hospitals annually, work with 800 companies on their projects, and provide advice or funding to over 8000 Small and Medium-sized Enterprises (SMEs) each year.

We bring together the brightest minds to deliver tangible impacts on the lives of Canadians and people around the world. And now, we want to partner with you. Let your expertise and inspirations make an impact by joining the NRC.

At NRC, we know diversity enables excellence in research and innovation. We are committed to a diverse and representative workforce, an open and inclusive work environment, and contributing to a more inclusive Canadian innovation system.

NRC welcomes all qualified applicants and encourages candidates to self-declare as members of the following designated employment equity groups: women, visible minorities, Aboriginal peoples and persons with disabilities.

Please advise of any accommodation measures required to enable you to be assessed in a fair and equitable manner. They are available to all candidates for further assessment. Related information received will be addressed confidentially.

#### Our Inclusive Work Environment

Your work environment and tools will enable you to collaborate with your colleagues across Canada and the globe. We are committed to ensuring that each staff member promptly receives the accommodation they need to do their job and we understand the importance of work/life balance.

NRC employees enjoy a wide range of benefits that include comprehensive medical and dental, pension and insurance plans as well as annual vacation time and other leave. The NRC also offers learning and development opportunities. For more information, please visit our website.

#### Your Challenge

Help bring research to life and drive your career forward with the National Research Council of Canada (NRC), Canada's largest research and technology organization.

We are looking for a Software Engineer to support our Herzberg Astronomy and Astrophysics Research Centre (HAA). The Software Engineer would be someone who shares our core values of Integrity, Excellence, Respect and Creativity.

The Software Engineer will support the goals of NRC and the Astronomy Technology Directorate (ATD) by leading efforts related to software architecture/system design for projects within the Herzberg Astronomy and Astrophysics Research Center (HAA).

The primary responsibility of this position is to play a key role in the planning, specification and design of large, complex software systems supporting new and proposed radio astronomical telescope instrumentation development at the Dominion Radio Astrophysical Observatory near Penticton, BC.

The Software Engineer will schedule activities and perform work to meet milestones of several projects, and provide analysis, information and advice to project managers and the Software Team Leader about schedules and progress.

The Software Engineer will liaise with computer experts and engineers within the Software Team, and at other observatories, in the process of contributing to the development of astronomical software systems and instrumentation. The Software Engineer will also liaise with individuals from many different disciplines (internal and external to NRC) that are involved in the building of astronomical instrumentation.

The successful candidate will work within a dynamic software team environment alongside engineers, researchers, technicians and technologists on world-class facilities, often including international projects and requiring collaboration with international partners. The Software Engineer will also contribute to the development of proposals and planning for new initiatives, providing service to NRC clients and collaborators.

The Software Engineer will produce clear and concise documentation for various aspects of projects, including software requirements, manuals and progress reports. They will also provide input and contribute to bids produced to obtain contracts for astronomical projects.

### **Experience**

- Extensive\* and recent experience in the complete software development process for medium to large software projects, including solicitation of requirements, design, development, testing, and integration/commissioning;

- Significant\*\* and recent experience in the design, development and testing of instrument control software, preferably for electronic control systems of astronomical instruments;

- Extensive\* and recent software development experience in C, C++ and Python within a Linux or Unix environment;

- Experience using one or more industry standard methods for software development and revision control (GIT);

- Experience with Agile development practises and associated tools (SCRUM, Kanban, JIRA); and

- Experience with software testing frameworks (gtest, gmock).

Experience with the following would be considered an asset:

- The analysis and design of embedded multi-tasking real-time software;

- Working knowledge of digital signal processing algorithms; and

â€¢ Principles of Astronomical Telescope Instrumentation design and operation.

\*Extensive and recent experience refers to at least 7 yearsâ€™ experience, within the last 10 years.

\*\*Significant and recent experience refers to at least 5 yearsâ€™ experience, within the last 10 years.

### **Education Requirements**

A Bachelorâ€™s degree or higher in Software Engineering, Computer Engineering or Computer Science, along with direct experience designing software control systems.

### **Essential Skills**

â€¢ Advanced knowledge of object oriented programming languages such as C, C++ or Python;

â€¢ Demonstrated ability to design and develop robust software applications;

â€¢ Demonstrated ability to develop detailed technical requirements for software projects;

â€¢ Excellent written and oral communication skills;

â€¢ Working knowledge of Linux or Unix; and

â€¢ Knowledge of software revision control methods.

### **Other**

Relocation assistance will be determined in accordance with the NRC's directives.

### **How to Apply**

Please apply on our website directly by clicking [Apply Now!](#)