



## **Systems Architect and Administrator (Internship Position)**

NGIF Capital Corporation (NGIF Capital) is hiring a Systems Architect and Administrator for a twelve-month Internship position (the Position) to work on defining the right IT strategy, determine and implement the best tools, and ensure maintenance and reliable operations of IT systems. The Position is expected to run between **[February, 2022 to January, 2023]** (there is some flexibility with start and end dates). We anticipate that the Position will be completed remotely and will work out of the University of Calgary under the guidance of Professor Ian Gates.

### **About NGIF Capital**

NGIF Capital is a Canadian venture capital (VC) firm offering grant and equity financing for startups that deliver solutions to the environmental and other challenges facing the natural gas sector. NGIF Capital is unique in how it brings Canada's energy industry leadership to every investment. Like other VCs, it takes new companies and their ideas from concept to commercialization. Unlike other VCs, it has strong connections to every part of the gas value chain, from production through to end-use, offering it a means to test, develop, and accelerate the commercial implementation of innovative gas technology wherever it fits in the sector. NGIF Capital operates NGIF Industry Grants, the NGIF Emissions Testing Centre, and NGIF Cleantech Ventures. NGIF Capital is wholly owned by CGA Enterprises, a venture of the Canadian Gas Association.

### **Who you are**

- Current full-time undergraduate student enrolled in a Computer Science or Software Engineering Program at a post-secondary institution in Canada.
- Experience in one or more of the following: translating high-level design to detailed specifications; Object Oriented Programming (e.g., Java, C#, JavaScript, Python, R); Front-End Javascript Frameworks (Node.js, React.js, Angular.js); Infrastructure / Cloud / Dev; Experience Interfacing with back-end web services (JSON, AJAX, REST, SOAP); Relational Databases and Integration tools.
- Passionate about learning new technologies and solutions.
- Solid understanding of Object-Oriented Design and Technical Architecture.
- Excellent knowledge of data structures and algorithms.
- Delivery Methodology (e.g., Lean / Agile / Scrum, SDLC / Waterfall) and experience in Version Control.
- Demonstrable strategic development, decision-making, and problem-solving abilities.
- Well-developed verbal, presentation, written, and interpersonal skills are highly desirable.
- Legally entitled to work in Canada without sponsorship.

### **What you will do**

- Define, decide, and implement on the right IT strategy and approach that will best support NGIF Capital's long-term business plans and goals.
- Interface with multiple stakeholders to define requirements, analyze business processes, and advise on the best tools, frameworks, hardware, software, and other IT elements to achieve departmental and functional objectives.



- Create recommendations on the right mix of IT elements to achieve organization’s objectives.
- Develop RFQs, review proposals and recommend enterprise solutions for implementation.
- Manage and successfully deliver on the full implementation of the IT systems/ solutions, including vendor management.
- Ensure that the stakeholders are trained and support them in the platform adoption needs.
- Ensure maintenance and reliable operations of IT systems.

The successful candidate will be joining a team composed of technical, business, and energy professionals. The NGIF Capital team is composed of intellectually curious individuals who work with integrity, professionalism, and a strong work ethic and are very results-driven.

### How to apply

- Please send your resume and cover letter with attention to Akhil Abat with the subject line “Systems Architect and Administrator” to: [rguerrero@cga.ca](mailto:rguerrero@cga.ca) for consideration by **Friday, February 18, 2022 at 11:59 pm**. Applications will be reviewed on a rolling basis until the deadline.
- In your cover letter, please provide: (i) relevant experience, (ii) your favorite cleantech subsector, and (iii) one interesting early-stage cleantech company.
- Successful candidates will be contacted for interviews as soon as possible.
- The position has immediate start (respecting notice time when needed).

*NGIF Capital values diversity and is an equal opportunity employer. We offer an inclusive work environment and encourage applications from all qualified individuals. If you are invited for an interview, please notify us of any particular adaptive measures you may require. In accordance with the Accessibility for Ontarians with Disabilities Act, 2005, upon request, accommodation will be provided by NGIF Capital throughout the recruitment, selection and/or assessment process to applicants with disabilities.*