

## Geologist Junior

### The Organization

NXT Energy Solutions Inc. is a Calgary-based technology company whose proprietary airborne SFD® survey system, applied in numerous basins around the world, uses the principles of quantum mechanics to infer stress anomalies of exploration interest. The method can be used both onshore and offshore to remotely identify areas conducive to fluid entrapment in order to recommend areas with commercial hydrocarbon and/or geothermal potential. The SFD® survey system enables our clients to focus their exploration decisions concerning land commitments, data acquisition expenditures and prospect prioritization on areas with the greatest potential. SFD® is environmentally friendly and unaffected by ground security issues or difficult terrain and is the registered trademark of NXT Energy Solutions Inc. NXT Energy Solutions Inc. provides its clients with an effective and reliable method to reduce time, costs, and risks related to exploration.

### Why Chose NXT?

- ✓ A culture of inclusion, collaboration, and continuous growth.
- ✓ NXT offers a challenging and learning work environment.
- ✓ A Canadian leader in geophysical exploration technology.
- ✓ Committed to innovation, and groundbreaking advancements in the industry.
- ✓ A team of passionate professionals dedicated to reducing the risks and costs of exploration.

### Position Responsibilities

- ✓ Evaluate SFD® signal attributes for hydrocarbon potential and integrate results with seismic and geological data.
- ✓ Support survey operations and assist in data analysis and integration with seismic interpretation for focused exploration.
- ✓ Integrate SFD® data with geological and geophysical data sets.
- ✓ Present and communicate SFD® technology in alignment with industry standards.
- ✓ Support in the development of technical case studies and arguments.
- ✓ Assist in improving SFD®-related geophysical capabilities and methodologies.
- ✓ Educate industry professionals on the applications and benefits of the SFD® technology.
- ✓ Assist in preparing technical strategies for marketing and creating technical descriptions for the SFD® method's application in exploration.
- ✓ Provide technical recommendations and guidance on SFD® survey design and interpretation.
- ✓ Follow NXT's HSE policies and assist with business development activities, including sales and client communication.

### Minimum Requirements for Candidates

- ✓ **Educational Background:** Bachelor's degree in Geology, with a focus on hydrocarbon exploration and signal interpretation.
- ✓ **Experience:** Recent graduate or with up to 2 years of professional experience in Geology or a related field.

**Skills:**

- ✓ Solid academic understanding of hydrocarbon exploration, signal interpretation, tectonics, and basin modeling.
- ✓ Familiarity with numerical analysis, signal data processing, and geophysical data integration techniques.
- ✓ Some exposure to industry-standard software tools such as GIS, seismic interpretation software, or other relevant platforms.
- ✓ Strong technical writing skills and the ability to clearly communicate complex technical concepts.
- ✓ Eagerness to learn and grow within the field of geophysics and exploration technology.
- ✓ Ability to work collaboratively in a team-oriented environment and independently on assigned tasks.
- ✓ Strong organizational skills, time management, and attention to detail.
- ✓ A passion for innovation in geophysical technology and a desire to contribute to the advancement of the field.

**Professional Credentials:**

While not required, a commitment to obtaining professional designations such as a Geoscientist-in-Training (GIT) or similar is encouraged.

**Additional Qualities:**

- ✓ Ability to travel internationally for long stretches of time.
- ✓ Strong analytical and problem-solving abilities.
- ✓ A keen interest in staying current with industry advancements and technology trends.
- ✓ Excellent interpersonal skills and the ability to engage effectively with colleagues and clients.

**Remuneration**

NXT Energy Solutions offers a competitive salary, performance-based bonuses, stock-based compensation, and benefits package.

**Reporting**

This position reports to the Director of Geoscience.

**How to apply**

- ✓ Material Required: Resume, Copy of Degree &/or Transcript, Cover Letter (optional), Any other relevant information (Certifications, References etc.)
- ✓ Email your application to [hr@nxtenergy.com](mailto:hr@nxtenergy.com) with the subject line: Jr Geologist Application and your Name
- ✓ Deadline for Applications: Open until suitable candidate found.