



Senior Full Stack Developer

Resource Modeling Solutions is seeking a Senior Software Developer passionate about developing and deploying full stack applications. As a developer with Resource Modeling Solutions, you will be responsible for designing and building applications for interactive statistical modeling and 3D visualization with WebGL technologies. The position will involve a combination of collaborative and independent development, therefore requiring strong communication and self-motivation for working productively in a potentially remote (home) location.

Details

Job type: Full-time with flexible hours (we aim for core overlap hours for collaboration)

Compensation: \$100,000 - \$145,000 per year depending on experience

Location: On-site in our downtown Edmonton office or remote (Alberta preferred) with occasional visits to our office

Responsibilities

Your responsibilities would include:

- Deliver tested, documented, full stack web applications, including front-end HTML/CSS/JavaScript and Python/SQL backend
- Designing and implementing user interfaces
- Deploying secure applications using best practices for CI/CD
- Assisting with day-to-day application support
- Periodic assistance with general website, python API, client portal development
- Assist with developer operations including container deployment, orchestration, and databases

Required Experience

Your resume should show:

- 6+ years of experience in software development with a proven track record of building and deploying web applications
- Proficient with client-side JavaScript (ES6 packing/deployment, ReactJS) and front end templating HTML5/CSS
- Proficient with server-side Python (Flask) and SQL databases (PostgreSQL)
- Proficient with version control (git) and continuous integration
- Excellent problem solving and technical leadership skills
- Strong verbal and written communication skills

Preferred Experience

Your resume would preferably show:

- Experience with 3D web visualization (e.g. VTK.js, WebGL)



- Developer operations experience using Docker, Kubernetes, and any of the major cloud platforms (our team and clients use Azure, AWS, GCP, and Digital Ocean)
- University degree or Diploma in related discipline, or equivalent related experience
- Some experience with data visualization, multivariate statistics, or machine learning is a bonus

If you do not have this experience, your cover letter should demonstrate a willingness and plan for learning as you go.

About Us

Resource Modeling Solutions Ltd is an Edmonton, Alberta based startup founded in 2018 to provide expert knowledge, software, and services to the mining and petroleum industries. We publish the Resource Modeling Solutions Platform (RMSP), a high-performance engine for modern geostatistics in use by leading resource companies around the world, and the Drill Hole Optimizer (DHO) which leverages a custom genetic algorithm to optimize drill hole plans for reducing geologic uncertainty at mines.

Our team uses C++ for high performance mathematical operations, Python for both a client facing geostatistics API (comparable to Scikit-Learn/Pandas) and server backends (Flask), and JavaScript.

Interested?

If you are interested in working with us and are authorized to work in Alberta, Canada, please send a resume and cover letter to careers@resmodsol.com. Only candidates selected for interview will be contacted; thank you for your interest!