Axiom Data Science, LLC
https://axiomdatascience.com/about/

Title: Software and Data Engineer (full-stack)
Location: Anchorage, AK; Fairbanks, AK; Portland, OR; or North Kingstown, RI

What we do

Axiom is a small and dynamic (~20 person) technology and informatics firm with a mission to build a better understanding of society and the environment by increasing the accessibility, reuse, and impact of scientific data. To that end, we provide cyberinfrastructure support, data management systems, and scalable solutions for organizing and analyzing large amounts of diverse datasets to organizations across the globe. We've assembled an outstanding team of software developers, data analysts, and data coordinators to tackle difficult problems and provide excellent support to our partners at businesses, non-profits, federal and state agencies, and universities.

Axiom is headquartered in Anchorage, Alaska and has satellite offices in Portland, Oregon; North Kingstown, Rhode Island; Homer, Alaska; and Fairbanks, Alaska.

How we work

We are not a consulting firm, we are a mission driven technology partner. We believe in focusing time and energy on our core products, forming mutually beneficial partnerships with clients, and encouraging developers to take ownership of their work.

We are a geographically distributed company and collaborate with each other online. Strong communication skills are critical. We work together closely while minimizing distractions.

We have low administrative overhead. Our employees are given all the tools they need to excel and are self-driven, resourceful, and instrumental in expanding our vision.

We value uptime. Our systems are horizontally scalable and redundant. We care about discovering issues before our users are affected.

What you'll do

The Axiom team works to enhance and sustain scientific data by upscaling metadata, semantically linking datasets, developing specialized services, creating powerful visualizations, and applying advanced analysis techniques. As a full-stack software and data engineer you will touch everything from front-end code to our high performance computing infrastructure. You will develop new features and applications as well as support existing applications written by the team. This will include front-end development of web applications, user interfaces, data visualizations, and documented web APIs as

well as back-end development of web services, software tools, analysis pipelines/applications, and efficient data storage/access techniques.

What you'll work with
Our stack is constantly evolving, with decisions on technologies made by engineers. You'll work with a wide range of technologies and **you are not expected to have experience with all of these technologies** from the start. A demonstrated ability to learn new technologies and select appropriate technologies for each solution is more important.

- **Frontend**: Backbone, React, Vue, D3
- **Backend**: Java, Python, Node
- **Storage**: PostgreSQL, GlusterFS, Redis, ElasticSearch, MongoDB, TimescaleDB, Kafka
- **Analysis**: Apache Spark, Dask, Numpy, Pandas, scikit-learn, Tensorflow, Keras
- **DevOps**: GitLab (SCM, CI), Docker, Ansible, Prometheus, Fluentd, Grafana, Loki
- **Specialized**: NetCDF, Apache Arrow, GeoServer, OGC standards

What we look for
As above, you are not expected to meet all of the criteria below. A demonstrated history working with and delivering real-world software is key.

- BS or MS in Computer Science or equivalent experience
- Strong experience in full-stack web application development, including database design, architecture, services, and APIs
- Experience with modern front-end development and web frameworks
- Experience with the data science / scientific Python stack
- Experience working as a member of a software engineering team
- Experience working with data from the physical or biological sciences
- Self-motivation, independence, flexibility, and a problem-solving attitude

What you'll get
A healthy work/life balance and a competitive salary commensurate with experience. Benefits include 5 weeks paid leave plus holidays, healthcare reimbursement, a company 401K plan, and a gym membership.

How to apply
Please send a resume and cover letter to careers@axds.co by November 15, 2019. Include 'Software and Data Engineer' in the subject line. The following additional application materials are recommended, but not required: code samples, profile links to GitHub/StackOverflow; descriptions and screenshots of a completed project; and other examples of expertise or open source participation.