



Welcome to StormSensor!

StormSensor, a climate technology startup, is expanding our team! StormSensor works with cities across the U.S. to track how water moves through their storm, sewer, and coastal infrastructure. Our high-resolution data networks monitor flow and temperature every 5 minutes, while our proprietary algorithms and intuitive software provide cities with simple, practical insights to help them adapt to system- and climate-driven risks from flooding, sea level rise, tidal surges, and storms.

We are searching for a **Senior Data Scientist** who is passionate about creating vibrant communities, thrives with remote work, and integrates perfectly with our team and our values: creativity, integrity, unity, courage, and curiosity.

You will be joining a small team, so communication skills are paramount. Being able to explain technical work to environmental engineers, sales people, scientists, and customers is all part of the job.

Every decision you make at StormSensor is impactful, and you have a voice in design, architecture, and implementation.

About You

You are an analytical and creative developer who can grasp user needs and solve problems, and you work thoroughly yet efficiently. You analyze, evaluate and draw upon architecture designs utilized across other industries and verticals to help StormSensor meet and exceed expectations of its customers at every touchpoint and interaction. You love working on complex problems and getting things done.

In addition, you are:

- Naturally inquisitive. Curiosity is a strength!
- An excellent communicator with strong written and verbal communication skills.
- Able to solve any problem you put your mind to, or at the very least you can figure out the best person to solve that problem.
- Convinced that anything is possible! It's just a matter of figuring out how.
- Comfortable being uncomfortable. You have the courage to get through tough situations and tough times.
- A mentor. You can communicate collaboratively with everyone, both team members and customers.
- Comfortable writing code, dealing with databases, handling CI, and doing whatever else it takes to deliver value.
- Able to talk APIs with customers, build a data model, write well tested code, and deploy to production. All on the same day.
- Focused on best practices and code readability. No tricks: you apply the principle of least surprise to your code.
- Egoless (or at least as much as is reasonable for a human to be). You'll make mistakes, you'll fix mistakes, you won't judge others' mistakes, and you'll grow from each experience.

Roles/Responsibilities

- Create, train, and deploy machine learning models that integrate time-series and spatial sensor data and weather data to track trends and predict upcoming events
- Design, build, and develop machine learning system infrastructure core components and architecture of a machine learning platform to create, train and deploy ML models
- Automate the day-to-day operational support for model training and model serving pipelines
- Create monitoring solutions that allow effective system accuracy, performance and enable troubleshooting of production ML models.
- Identify gaps and evaluate relevant tools and technologies as needed to improve processes and systems, leveraging open-source and cloud computing technologies to build effective solutions
- Collaborate with data scientists, data engineers, product teams, and other key stakeholders and drive ML platform projects from conception to completion and production monitoring

Requirements/Skills

- Bachelor's degree in a highly quantitative field (computer science, machine learning, operational research, statistics, mathematics, etc.) or equivalent professional or military experience
- Experience with ML fields, e.g., natural language processing, computer vision, statistical learning theory
- Experience handling spatial datasets and using spatial data visualization tools
- 6+ years of industry experience in predictive modeling, data science, and analysis of time series and spatial datasets
- Experience working with real-time sensor data; developing tools to run in real-time is a plus
- Experience in the water, climate, and/or environmental industry is a plus
- Experience developing software in an Agile environment with proficiency in multiple languages such as R, Python, Java, C/C++, JavaScript, Linux/Bash
- Extensive experience building ML pipelines, as well as training and validating ML models
- Strong verbal and written communication skills
- Self-motivated and reliable with excellent time management and organizational skills: we can count on you, and you can count on us to do our jobs and support each other.

Tools We Use

- Java - Spring Boot, Gradle 6+, jOOQ, Lombok, Jackson, ModelMapper.
- Testing - AssertJ, RestAssured, Mockito, Awaitility.
- Database - MySQL/Postgres, complex queries, Flyway ETL and migrations, DBI/RMariaDB, Docker - Compose, building images, publishing images.
- AWS - VPC, RDS, EC2, ECS, Route53, S3, Cognito, Lambda.
- CI/CD - Jenkins, Groovy, Nexus/Artifactory, EFK, Grafana/Prometheus.
- DevOps – Sonarqube, Zabbix, Ansible, Terraform, Linux scripting, RabbitMQ, Credential management.



- Data Analysis – R/RStudio, DBI/SQL, Rmd reports, Shiny, Leaflet, QGIS, GRASS

Benefits & Perks

- Compensation: DOE
- Monthly health insurance stipend
- Unlimited paid time off
- Remote work + tight team
- Passionate, collaborative, and generally awesome co-workers
- Coming October 1: comprehensive benefits, including company-sponsored health insurance

Apply

To apply, send your CV and Resume to jobs@stormsensor.io with “Senior Data Scientist” in the subject line.