



## Job Description: Backend Developer Sr.

### About SpaceTime Labs

SpaceTime Labs ([www.spacetimeai.com](http://www.spacetimeai.com)) is a Brazilian company — part of SpaceTime Ventures portfolio ([www.spacetimeventures.com](http://www.spacetimeventures.com)) — founded in 2014 that develops and operates automated AI platforms for planning, optimization and risk management of broad segments of the economy that are dependent on natural resources and are exposed to climate and water risk. Our teams include deep business operations, machine learning and computer vision, biophysical sciences, software and data engineering, robotics engineering, project management and UX & data visualization design expertise and skills who work in multi-disciplinary teams to solve complex planning, optimization and risk management problems.

We are seeking for Backend Developers to design and build systems and web services to process a large amount of data from unstructured and structured sensor tabular data, UAV, satellites and other sources to enable the construction of machine learning models that create real impact.

### As a Backend Developer, you will:

- Design processing system architectures;
- Develop processing systems and web applications to guarantee Machine Learning models to run and scale;
- Work with other teams to deploy those systems;
- Continuously improve the ETL workflow and monitoring;
- Write technical documentation

### Required qualifications

- Engineering BSc/BA in Computer Science, Technology or relevant field
- Comfortable working within an agile and iterative prototyping in startups
- Good programming logic – knowledge of algorithms and data structures
- Experience in system modelling and backend architecture for scaling applications
- Programming skills in languages focused on backend development (ex. Python, Java, Elixir, Ruby, ...)
- Good knowledge of Relational Databases (such as postgresql, mysql)
- Solid knowledge of cloud computing (preferably AWS)
- Experience in writing and maintaining automatized software tests (unit-tests, acceptance and integration tests,...)
- System documentation good practices

### Desirable (non-essential) qualifications

- Experience in devops or production software deployment
- Knowledge in message queues systems (ex. RabbitMQ, Kafka, SQS)
- Experience with Python and Web Frameworks
- Knowledge in Geoprocessing - GIS and frameworks such as gdal, rasterio, geopandas, etc.
- Information security knowledge

If you have interest, please send your CV to [cc@spacetimeanalytics.com](mailto:cc@spacetimeanalytics.com)