**Econometrics Data Engineer**

**Location: Remote – US based**

**Sponsorship: This role does not offer visa sponsorship, but any type of work visa is required (US Citizen, Greengard/Permanent Resident, H4B, J2, etc.)**

**Overview:**

Powerlytics is a cutting edge, well-funded, venture-backed company that assists their Financial Services customers to provide a frictionless experience for their clients while maximizing revenue, minimizing risk, and discovering new market opportunities. If working in a fast paced, innovative atmosphere, where creativity is a driving theme, come join us as a Principal Data Engineer. Our client base includes top 5 banks, insurance companies, asset managers as well as alternative lenders, marketing firms and global consulting firms, among others. You have the opportunity to work on one of the most unique and proprietary data sets available in the US. With a portfolio of products and solutions underpinned by predictive analytics powered by proprietary databases of the anonymized tax returns of all households (150 million+) and for-profit businesses (30 million+), you will have an opportunity to work with big data and large-scale analytics systems for our team’s innovative data creation and analytics needs.

This is an outstanding opportunity to join a focused team and work collaboratively to make a significant impact on our organization and those we serve as well as substantially grow your own skills. You will report directly into our Chief Data and Analytics Officer, Narahara Chari Dingari, PhD. You will also work with our team of PhD Data Scientists and our CTO. Chari has mentored and led numerous Data Engineers and Data Scientists in Banking, Financial and Insurance domains. He published several high-impact journal articles and has been granted patents on machine learning techniques.

We are seeking an Econometrist Engineer who will play a crucial role in transforming and ensuring the integrity of large-scale data into actionable insights. Our clients include top-tier financial services firms, insurance companies, asset managers, and global consulting firms. You will have the opportunity to work with unique and proprietary data sets, including Census and IRS data, to drive impactful economic analyses and solutions.

**Key Responsibilities:**

* Evaluate the quality of data to ensure alignment with economic trends, public data sources such as Census, IRS, and other relevant datasets, as well as some private data sources.
* Develop and maintain large-scale ETL pipelines, storage, and processing services for economic data.
* Implement and optimize data pipelines using Python and PySpark for handling large datasets.
* Collaborate with a team of data scientists and engineers to create scalable data assets and econometric models.
* Utilize public datasets such as Census and IRS for economic research and analysis.
* Communicate effectively with team members and stakeholders to determine the most impactful models and analyses.
* Contribute to econometrics research and deliver innovative solutions to our clients.

**Key Qualifications:**

* Bachelor’s or master’s degree in economics, Data Science, Computer Science, or a related field.
* Proven experience in handling big data using Python and PySpark.
* Familiarity with public datasets such as Census, IRS, and other relevant economic data sources.
* Strong analytical skills and the ability to work with large, complex datasets.
* Practical hands-on programming experience in Python, PySpark, R, or other relevant programming languages.
* Experience with distributed computing frameworks such as Apache Spark.
* Excellent verbal and written communication skills.
* Ability to work independently and collaboratively in a remote, fast-paced environment.

**Education & Experience:**

Bachelor’s or master’s degree in economics, Data Science, Computer Science, or a related field.

**Preferred Qualifications:**

* Experience in financial services sectors such as banking, insurance, or wealth management.
* Familiarity with Linux, cloud data engineering and machine learning platforms, preferably AWS, AWS SageMaker, AWS EMR, or AWS Lambda.
* Aptitude for learning new technologies and staying current with industry trends.

**Compensation:**

We offer a very competitive compensation package consisting of a base salary, bonus, and equity, as well as a comprehensive benefits package.

**To Apply:**

Please send a message with your resume to [employment@powerlytics.com](mailto:employment@powerlytics.com).  Briefly tell us why you are interested in this role and how you meet the requirements listed above. Please include the number of years of Spark and other programming experience from an industry setting you bring as well.  Please also confirm that you are legally authorized to work in the US and do not require a work visa now, or in the future.