

Junior Data Scientist

Apply

Sydney, New York & Remote

About Openmesh and Xnode:

Data and IT infrastructure are the most valuable commodities in the world. Today, four to five large corporations manage 90% of the world's data and IT infrastructure, and we are supposed to trust them. We have a HUGE problem with that.

Openmesh Network is a four-year-old open-source DePIN project, with the majority of our 26 team members based in Sydney. Our team brings diverse experience from prominent Web3 projects, including Fantom, Ripple, Ethereum, Cosmos, AWS, and Aragon.

Openmesh is a P2P immutable data and decentralized cloud network. It combines the best features of AWS, IPFS, Chainlink, BitTorrent, and Oracle Cloud into a single solution. Openmesh provides immutable data via OpenAPIs and offers Web2/Web3 Infrastructure as a Service through Xnode.

Xnode manages Openmesh network resources, including computational power and storage, across various deployment environments. Each Xnode operates as a microservice, enhancing the overall efficiency and integrity of the Openmesh network. Collectively, Xnodes form a network of data collectors, aggregators, and validators that facilitate a global system of data verification and dissemination.

The Xnode Studio is a platform for infrastructure design, development, and management solutions where users can assemble Web2 and Web3 infrastructure like Lego blocks. It enables developers, startups, and enterprise users to quickly build Web2 and Web3 infrastructure such as validator nodes, data clouds, building data APIs, P2P compute and storage layers, analytic engines, hosting services in minutes rather than weeks. Users can combine complex infrastructure leveraging interconnected worldwide data centers and fiber connectivity. Xnode Studio features a powerful resource aggregation engine that scans through thousands of combinations of bare metal and cloud providers across various cities, regions, and countries to find the best resources such as compute, storage, and GPUs for your infrastructure needs, similar to how Skyscanner scans for airlines.

Xnode and Openmesh advancements, breakthroughs, and innovations are designed to accelerate the Web3 industry by building the next generation of open data and infrastructure, which will be pivotal for the next 10-20 years.

Our vision:

Our vision is to democratize data and address information asymmetry at a scale. Data & information is the most valuable commodity in the world. Without quality, reliable data, all webpages, apps, and the entire internet will stop working. We believe access to reliable, unedited information is a fundamental right- an aspect of a free and democratic society. The Core Principles of Openmesh, by design, has no single authority that can alter its data, how the information is distributed or controlled, or who can see what and when. The infrastructure and entire technology stack is open-source and governed by an open-source community.

The opportunity

- Learn groundbreaking innovations in Data, Cloud, Blockchain, AI, and Web3 Infrastructure from visionaries, and discover what your dream job is really like.
- You will be given access to our technology, hackathons, virtual conferences, mentoring sessions, R&D infrastructure, workshops, and an opportunity to observe and apply your knowledge in practice. You have the option to work in person or remotely.
- Gain on-the-job experience. You'll be assigned a project that will develop your problem-solving skills, teach you how to present your ideas, work with a team, and think like a professional.
- The specialized knowledge and skills you gain through the program will prepare you for a successful career at Openmesh.
- Top-performing candidates will receive a full-time offer and a chance to win cash prizes from our mini-hackathon series.

About the Role

As a Junior Data Scientist for Xnode, you will contribute to the analysis and interpretation of decentralized datasets, playing a crucial role in shaping the future of the open web3 data network. In the Pythia landscape, you'll apply your analytical expertise to optimize data structures and uncover valuable insights within the decentralized data landscape.

You will have the opportunity to contribute to the development of one of the world's first large-scale open data clouds and analytics engines. Openmesh is a dedicated global initiative that brings together brilliant minds in the tech industry to create open data and open infrastructures that will be pivotal in shaping the next 10-20 years.

Responsibilities

- **Decentralized Data Analysis:** Apply statistical analysis and modeling techniques to derive insights from Xnode's decentralized datasets, contributing to data-driven decision-making.
- **Pythia Data Optimization:** Collaborate with data architects and engineers to optimize data structures within Pythia, ensuring efficient storage and retrieval for analytical processes.
- **Machine Learning Integration:** Explore opportunities for integrating machine learning models into Xnode and Pythia for enhanced data processing and analysis.
- **Data Visualization:** Create visually compelling data representations to communicate insights effectively to non-technical stakeholders.
- **Collaboration:** Work closely with cross-functional teams to understand data requirements and contribute to the overall data strategy.

Qualifications

- Bachelor's or Master's degree in Data Science, Statistics, or a related field.

- Proficiency in programming languages such as Python or R.
- Strong statistical and analytical skills.
- Experience with machine learning frameworks (e.g., TensorFlow, scikit-learn).
- Excellent communication and presentation skills.

Why Join Us

- Lead a revolutionary product that is reshaping the landscape of data management and accessibility.
- Collaborate with a global community of innovators and thought leaders in the decentralized space.
- Make a significant impact on how data is accessed and utilized worldwide, promoting transparency, efficiency, and democratization.
- Enjoy a dynamic, challenging, and rewarding work environment, along with competitive compensation and benefits.

How to Apply: Interested candidates should submit a resume and a cover letter detailing their passion for decentralized technologies and their vision for Pythia's future.