

Technical Architect - Protocol and API

100% Remote Worldwide
Full-time

To apply for this position please send your CV to recruitment@nunet.io with the job title as the subject line.

The Company

NuNet, a spinoff of SingularityNet is a framework for shared and globally distributed computing. NuNet platform is designed to be an extremely flexible network, encompassing mobile consumer devices, edge computing and IoT devices alongside PCs, servers and data centers, allowing seamless interoperability among its components and intelligent automation of workflow design. NuNet leverages Web3 technologies, serverless container execution, service mesh orchestration, crypto-economy and more, toward creation of the decentralized “world computer”

For more information about NuNet see:

- Webpage at <https://nunet.io>
- Whitepaper at https://nunet-io.github.io/public/NuNet_Whitepaper_2.0.pdf
- Current roadmap at <https://nunet.io/roadmap/>

Job Description

NuNet is looking to hire a technical architect to join its development team. As a member of the team, you will be working closely with the team, designing and implementing communication and consensus protocols for a distributed system architecture.

As NuNet is a startup with an exciting journey ahead, your contributions will have a great impact on the future of the company and you would get the opportunity to grow alongside it.

Responsibilities

As a technical architect, you will be responsible for the design and implementation of peer-to-peer networking, distributed systems, decentralized computing, consensus algorithms, health check schemes, communication and data ingestion APIs and related activities for a robust decentralized system framework.

Your duties will include:

- Design and Implementation of communication and consensus protocols, for a distributed and decentralized system
- Prepare specifications and design documents for architectural decisions
- Research industry and academic cutting-edge innovations on decentralized and distributed systems
- Perform complex system tests, enhance and resolve issues in existing codebase and perform unit and integration testing
- Being a leader who can prioritise duties and threats and allowing for innovation and industry standards to coexist.

Requirements

- At least 5 years of experience working on decentralized and distributed systems or peer-to-peer networks
- Experience with distributed and decentralized systems at the development level
- Applied Knowledge in design patterns for distributed systems
- Experience with DevOps, continuous deployment, continuous integration, microservices and serverless architectures.
- Deep understanding of networking protocols

- Deep understanding of the fundamentals of computer science such as data structures and algorithms
- Experience with peer-to-peer network implementation
- Experience with major PC and mobile Operating Systems (Linux, Windows, MacOS, iOS, Android); especially deep knowledge in Linux
- Experience with Python Programming Language
- Experience with Operating System Virtualization
- Experience with OCI containerisation technologies such as Docker or Podman and orchestration with Kubernetes or similar container orchestration technologies.
- Experience with Blockchain technologies
- Excellent communication skills and ability to work as part of a team
- Fluent English

Benefits

- Flexible schedule
- Remote work – ability to work from anywhere
- Work with a multicultural team