Senior Back End Software Engineer

ardrive

tl;dr

Our team is seeking an engineer obsessed with blockchain and distributed systems who wants to build the second layer to the permanent web from the ground up.

who we are

Permanent Data Solutions builds applications, infrastructure, and communities around the Arweave Permaweb.

Arweave is a web3 protocol that allows you to store data **permanently**, sustainably, with a single upfront fee. On top of the core Arweave protocol lives the permaweb: A global, permanent web of pages and applications that live forever.

Our Engineering team builds platforms that leverage this innovative decentralized storage network, like ArDrive which gives developers and users the ability to easily upload, download, cryptographically secure, and share their files across platforms and devices.

After raising a new round of seed funding, we are ready to hire additional engineers to support a decentralized infrastructure project aimed at democratizing access to the permaweb.

what we offer

The team's purpose is to support, inspire, and learn from one another while building the best possible solutions for permanent storage. We provide a flexible, collaborative, and remote-first work environment with a focus on providing a great work-life balance for all our team members.

There's a growing list of perks and benefits for being a Core Team member including:

- An exciting and diverse start-up environment, with experienced leaders and mentors
- The chance to grow and learn about the latest decentralized storage, cryptocurrency, and blockchain technologies in a professional setting
- Competitive salary, stock options and merit-based bonuses
- Membership into the ArDrive Community DAO
- Flexible work schedule and an unlimited paid time off policy
- Employee medical benefits (USA only)

position and role

As our Senior Back End Software Engineer, you must have a strong knowledge of blockchain systems with hands on experience developing core protocols for distributed systems. You will be responsible for:

- Researching high quality material required to develop decentralized network protocols

- Designing core network protocols supporting peer to peer distributed networks

- Developing web APIs, back-end server processes, distributed hash tables and high performance relational/non-relational databases

- Prototyping new software in test environments

- Measuring, analyzing, and improving code execution and database performance

- Ensuring and demonstrating the technical quality and architectural integrity of our systems in continuous and automated ways, i.e., automated testing (unit/integration/end-to-end/contract/etc.), continuous monitoring, and other forms of process automation

- Performing all functions above in a manner that is inclusive and respects the dignity and wellbeing of the Core Drivers and our broader community

requirements

The desire to innovate, excellent written and verbal communication, a strong sense of ownership over your work and with the following requirements:

- At least 5 years of experience in the industry as a back-end software engineer

- At least 2 years of experience with blockchain, decentralized storage or distributed network development

- Strong understanding of blockchain architecture and its components

- Strong understanding of the networking stack including peer-to-peer topologies.

- Proficiency in a variety of programming languages such as Node.JS, Go, Python and/or Rust

- Experience deploying blockchain infrastructure (miners, nodes, validators etc.)

- Familiarity with basic cryptography

- Git and understanding of release management process and CI/CD

- Able to work in a remote team using Agile methodology

- Experience with Cryptography or Smart contract development a plus

- Experience with Arweave or IPFS is a huge plus

how to apply

Want to apply or learn more about our mission and this opportunity?

Check our website, join our Discord channel and reach out to @Vilenarios to share any private references (linkedin, resume, portfolio, etc.). You can also send an email to careers@ar.io