VAULUT

Senior Backend Engineer.

About Vaulut

We're a team of ambitious, forward-thinking individuals with an entrepreneurial and technological mindset to build decentralized economic infrastructure that power the 4th industrial revolution, by bringing digital identities ("Digital Twins") to machines, algorithms and other non-human entities.

Our mission is to build an Economy of Things, enabling machines with self-sovereign trusted digital identities to perform autonomous economic activity without human intervention, drastically increasing efficiency and sustainability through decentralized solutions.

Our passion and groundbreaking work in decentralized technologies and digital trust makes Vaulut a pioneer in Internet of Things. Our client focus is primarily on sustainability-driven sectors, in particular smart city, mobility and energy.

Based in Eindhoven, we are a funded, fast-paced and impact-driven startup with audacious goals and we have big plans to grow!

Our Tech Stack

C++, NodeJS, NoSQL (Redis/MongoDB), WebSocket APIs , Docker, Gitlab

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Responsibilities

- You will co-design, test and develop the core of our decentralized platform.
- You will work on digital identity using decentralized identifiers (DID), public-key cryptography, Byzantine Fault Tolerance and Distributed Ledger Technology.
- You will work in an agile environment. Scrums will part of your daily work.
- You will be responsible for developing our Command-Line Interface (CLI).
- Our platform will show a footprint of your work and ideas.

Professional skills and experience

Minimum qualifications

- Minimum of 4 years of backend developer experience.
- University degree in Computer Science, Math, Physics, Electrical Engineering or anything comparable.
- Proficiency in C++.
- Extensive experience in NodeJS (JavaScript).
- Experience in designing & building scalable, high-performance backend systems.
- Knowledge on cryptography protocols (SSL/TLS), public-key cryptography systems (EdDSA/ECDH) and hashing algorithms (HMAC).
- Understanding of different types of distributed ledger technologies, distributed network systems and Byzantine fault tolerance mechanisms.

Optional

- Experience in MongoDB.
- Experience in identity systems and web-based technology.

Your soft skills

- Ability to carefully break down problems into smaller pieces whilst keeping your eye on the big picture.
- You like working in a team.
- You are a problem-solver and you welcome a challenge.
- Good communication skills, both verbally and written.
- You are obsessed with writing clean, testable and scalable code.
- Ability to work independently.
- You believe in an environment where the best ideas win, regardless of who or where they come from.

Your benefits at Vaulut

You...
- ...will work in Eindhoven or on a regular basis from your home office.
- ...will have flexible working hours as long as you are able to meet deadlines and set targets (we care about you and your output).
- ...will be able to choose your own laptop.
- ...will be able to leverage your own ideas and creativity.
- ...will learn new skills in decentralized technologies and digital identity.
- ...will work with a team of high-performance individuals that will stimulate you to grow.
- ...will be part of some of the most important technological revolutions since the internet.
- ...will be eligible for our stock option scheme.

We...
- ...are an open-minded and pleasant team to work with.
- ...are a young startup with funding, ready to take it to a new level.
- ...are a team driven by a desire to make a big impact and build an Economy of Things.

Next steps?

You want to help shape the Economy of Things with us? Email jobs@vaulut.com.

You don't meet every criteria, but think you're gonna kill it? Don't worry and just email us why you think this role should be for you!