Network & IoT Engineer Internship

The Company

Today, one billion urban dwellers lack access to running water at home and rapid urban growth will make this much worse. CityTaps' vision is to bring "running water in every urban home" in the developing world.

To achieve this goal, we create technology and services that help water utilities provide water to 100% of the people they serve, 100% of the time. Thanks to our IoT & Pay-As-You-Go solution, water utilities can serve the urban poor sustainably.

Families can access running water in their homes, saving them time and money, and improving their health, while paying for the water service in a simple and convenient way from their phone, at any time, and for any amount.

We are currently scaling in West Africa (Niger, Burkina Faso, Mali, Senegal), East Africa (Kenya), in Latin America (Brazil, Ecuador) and in Asia (Singapore). Our offices are located in Paris (Porte d'Orléans).

The Assignment

CityTaps is looking for a passionate Network Engineer Intern who wants to contribute to the design and prototyping of the next generation of our Cloud architecture to increase our impact.

Under the responsibility of the CityTaps' CTO, and with the support of our network engineer and the development team, you will:
- Understand our business
- Understand our current design and its limits
- Analyze the market to identify and compare the IoT platforms that have recently emerged (eg. Kaa, DeviceHive, Mainflux etc)
- Document your analysis
- Prototype and test one or two of these platforms to assess they fit to our needs
- Analyze the data storage solutions and ease of access for service building

CITYTAPS

- Prepare a migration plan
- Implement the migration with the support of the team
- Contribute to the development of the services on top of the IoT stack, if time permits

Why work with us?
- You want to have an impact in your work on social inequalities
- You want to practice your skills in a challenging and trusting environment
- We will help you gain autonomy in your work

Your Profile:
- Comfortable working in an English environment - both in spoken and written English
- Network or telecom engineering background
- Good knowledge of IoT protocols and architectures
- Comfortable working with IT infrastructure: databases, availability etc.
- Enjoy working on tasks from beginning to end with a small team
- Interest in our mission and our social impact in developing countries
- A strong desire to learn and improve.

Interested in solving a global social crisis and want to use tech for good while working in a multicultural and diverse company?

Please send us your application including your CV and a few lines explaining how you want to contribute to the project at **jobs@citytaps.org** (mention the position "Network internship" in your email subject). Please feel free to apply, even if you do not meet all the requirements for the position.