

Full-Stack Developer Needed

nLine's mission is to improve the reach, reliability, and resilience of the world's most critical infrastructure, including power grids, water systems, and roadway networks. Our initial focus is on improving the reliability of electricity distribution in Sub-Saharan Africa, where outages are common and repairs are slow, mostly due to poor visibility and limited information. This means that families don't invest in refrigeration and lighting, businesses can't operate efficiently or enter new markets, and governments can't regulate effectively. We aim to help change that with wireless sensors and cloud services that monitor critical infrastructure and report their performance in real-time to utilities, regulators, and the public.

If you're a full-stack software engineer with a strong desire to help in the world, consider joining our team of Berkeley Engineering grad students and faculty. We're looking for a talented individual to help us turn research prototypes developed at UC Berkeley and deployed in Ghana into scalable production systems that can be deployed globally. Your initial technical focus will be on sensor management, time-series processing, and data visualization cloud services.

The following technical skills are beneficial, but are not all required:

- ☐ Experience using common development tools (CLI, Git, testing frameworks, CI/CD)
- ☐ Experience with Python or Javascript and a willingness to use the other where appropriate
- ☐ Comfort using managed cloud compute services (e.g. AWS or Google Cloud)
- ☐ Experience with containerizing and deploying backend services (using Docker and Kubernetes)
- ☐ Experience maintaining and interacting with relational and time-series databases (e.g. PostgreSQL/TimescaleDB)
- ☐ General knowledge of web development frameworks (e.g. Angular or React)

In addition to strong technical skills, the successful candidate will be excited to be part of a passionate and fast-moving team while able to work independently, possess strong written and verbal communication skills, have a track record of working with product management and dev ops, have experience with similar systems at scale, be energized by a fluid and flexible startup environment, identify and amplify our high-impact mission-oriented culture, and:

- ☐ Work effectively with the team to architect the next generation of our technology
- ☐ Design and develop microservices to prototype and implement this architecture
- ☐ Learn about the infrastructure being monitored and help to develop and test data processing algorithms to extract useful insights from raw data
- ☐ Optimize services for scalability and rapid deployment of new sensors
- ☐ Automate the monitoring of production services and restore services when they fail
- ☐ Help define best practices around testing and deployment of new software and services
- ☐ Collaborate with UX designers and early customers to prototype application dashboards
- ☐ Support, strengthen, and improve nLine's mission to improve critical infrastructure

nLine, Inc.

- ☐ Positively grow nLine's company culture into one of diversity, acceptance, and respect
- ☐ Help grow the company through recruiting and retaining other excellent employees
- ☐ Learn new skills and adapt to using the most appropriate technologies for a given task
- ☐ Be excited to learn about the challenges related to deploying technologies in cultures outside of their own

We expect successful applicants to have at least a few years of work experience or equivalent experience implementing and maintaining a large project. Any job offer will be based on competitive market rates (salary, equity, and benefits) for an engineer with similar qualifications. Additionally, the position would likely come with opportunities to travel to the regions in which we are deploying sensors, including Ghana, Kenya, and Sierra Leone.

nLine is an equal opportunity and affirmative action employer. nLine will not discriminate on the basis of race, religion, national origin, sex, gender identity, sexual orientation, age, physical or mental disability, veteran status, or any other protected group. All employment is decided on the basis of qualifications, merit, and business need.

Please respond with your resume and a cover letter to: jobs@nline.io

Talk soon!

Noah, Josh, and Prabal

www.nline.io