

Position: Lead Engineer

Location: Cities throughout India

Organization: NextDrop, <http://nextdrop.org>

Background:

“Will I get water today?” Throughout the developing world, more than half a billion people have access to treated piped water, but there’s a catch. That water is available for only a few hours at a time once or twice a week, and residents have no way of knowing when that will be.

NextDrop solves this problem by using basic mobile phones to collect real time water delivery information from water operators in the field. We distribute this information to the people who need it: city residents and engineers in the water utility. Our services help residents save time and reduce the daily stress of uncertain water, while enabling utilities to become more efficient and more transparent. NextDrop has been described in Forbes magazine “as a quintessential application of technology” in the developing world.

Current Status:

In Hubli-Dharwad, the 2nd largest city in Karnataka, over 1 million residents have access to treated municipal water once every 2-5 days. Since launching our service in September 2011, we have signed up over 30,000 customers who receive alerts via SMS or phone call approximately 30 minutes before water is available in their neighborhood.

In addition, we use our field- level data, sourced from utility employees in the field who call our interactive voice response system, to create custom analytics and alerts for the Hubli Water Utility. NextDrop is supported by investments and grants from Knight Foundation, Google, the GSM Association, and Clinton Global Initiatives.

The Opportunity:

This is a chance to take a leadership role at an early stage company and be involved in key decision making. NextDrop is expanding rapidly, scaling to new cities and developing additional value-added services, which means there is excellent growth potential within the company. Finally, this job is truly customer-facing, requiring constant interaction with the end user. This is a job where you get to see the impact the technology you create has on regular people.

Responsibilities:

The lead engineer will be responsible for--

- Creation of web based dashboard technology for urban water utilities
- Maintenance of NextDrop water information database
- Maintenance and expansion of NextDrop SMS/IVR system

Knowledge Requirements:

- Web development experience, particularly with Python (Django web framework), HTML, CSS, Javascript
- Experience with Google Maps API and the nginx web server preferred
- Creation of and consumption from REST APIs
- Basic sysadmin and server management skills

Compensation: On Par With Market

Interested? Contact team@nextdrop.org

