

Job Title: DIRECTOR/DY DIRECTOR TECHNOLOGY
Organization: DIGITAL GREEN
Reporting to: CEO & CTO
Location: DELHI

Introduction:

Digital Green (DG) is an international, non-profit development organization that builds and deploys information and communication technology to amplify the effectiveness of development efforts to affect sustained, social change. It began as a research project in Microsoft Research India's Technology for Emerging Markets team in 2006, and started functioning as an independent nonprofit in 2008.

The broad focus areas of Digital Green are Agriculture, Livelihood & Health. The organization facilitates knowledge exchange between community engagement for partners looking to learn, contribute and connect on social innovation practices toward improving lives in rural communities. They work with partners throughout the entire experience to share knowledge and capture feedback with supported technologies that allow partners to locally produce and share videos in villages all around the world. The Digital Green system combines technology and social organization to improve the cost-effectiveness and broaden the community participation in existing best practices. The unique components of the Digital Green system include (1) a participatory process for local video production, (2) a human-mediated instruction model for video dissemination and training, (3) a hardware and software technology platform for exchanging data in areas with limited Internet and electrical grid connectivity, and (4) an iterative model to progressively better address the needs and interests of the community with analytical tools and interactive phone-based feedback channels.

Digital Green is supported by Bill and Melinda Gates Foundation, Department for International Development (DFID), UK Government, Ford Foundation, Deshpande Foundation, Vodafone India Foundation and Government of India besides other donors. Digital Green's India office is located in New Delhi with state offices in Bhopal, Bhubaneswar, Bangalore, Hyderabad and Patna. Digital Green currently works in seven states in India, including Andhra Pradesh, Bihar, Jharkhand, Orissa, Madhya Pradesh, Uttar Pradesh and Karnataka., and Ghana, Mozambique, Tanzania and Ethiopia in Africa. Over the next 3.5 years, Digital Green plans to scale its operations to over 11,000 villages across India and reaching over 1 million farmers and extend its work to Africa, a very recent foray.

One of their flagship project is the India Livelihood Project (ILP) initiative which aims to improve the livelihoods of smallholder farmers in Andhra Pradesh and Bihar in partnership with the Government of India's National Rural Livelihood Mission (NRLM) and its state-level counterparts.

For more information on their projects and the organization please visit <http://www.digitalgreen.org/>

The technology team at Digital Green works on exciting new technologies, innovating to create software tools that solve problems faced by development organizations everywhere. Digital Green is a platform for knowledge sharing amongst rural communities. Our web presence, digitalgreen.org, takes this content beyond the communities we work directly with to a global audience. Our ambition is to create tools that benefit rural development efforts worldwide, using innovative and appropriate technology solutions.

REASON FOR HIRE:

The Director/ Deputy Director – Technology is a new position. At the heart of Digital Green’s work is to use technology to strengthen the effectiveness of development intervention to bring about sustained social change. For this they require efficient systems to disseminate information, store and share knowledge and assess impact at the level of an individual farmer and create aids for business analytics to allow them to scale their operations and maximize impact. Hence this position plays a very important role, being at the core of activities, that drive the very mission of the organization.

The position will be responsible for overseeing program development, both, frontend and backend, creation and management of a website or a portal for virtual interaction, internal database management platforms, management of interface platforms for farmers and general audience, innovations in mobile technology and creating in-house MIS systems etc.

RESPONSIBILITIES & TASKS:

- Provide leadership to the technology team at Digital Green to come up with innovative technological tools in line with the requirements of the organization and its programs.
- Play a key role in building the technology that powers Digital Green’s activities over a wide range of interventions which will ultimately culminate in successful information generation, storage, analysis and dissemination.

- Coordination of Development of software for frontend and backend users.
- Oversee the maintenance of a virtual library, and creation of strong in- house MIS systems.
- Lead innovation in mobile technology by way of development of new applications.
- Design products and features to enable access in rural areas.
- Architect scalable technical solutions. Build, test and launch software for use in the field and in house.
- Be in sync with the latest developments in the field of technology so as to be able to provide customized solutions to meet the requirements of the organization and the rural communities.
- Build and grow and mentor the team and thereby help shape the future of the organization.

CANDIDATE PROFILE AND QUALIFICATIONS

Must Haves:

- B.Tech/B.E., M.Tech in Computer Science or equivalent from a reputed college with a minimum of 8 years of experience preferably with prior experience of working with a startup.
- Should have a strong technical background with extensive experience in software development so as to be able to effectively guide the team of developers.
- Experience in one or more of the following languages: C, C++, Java, or Python/PHP/Perl
- Extensive knowledge of SQL, relational databases, and other data storage solutions as well as implementing production websites (HTTP, HTML, JavaScript)
- Experience working in Unix/Linux environments and extensive knowledge of new and existing mobile applications.
- Strong ability to communicate technical concepts clearly and effectively.
- Prior experience of training and mentoring high caliber teams.
- Strong verbal and written communication skills.

COMPETENCIES

- **Drive change and innovations:** Act with urgency for continuous improvement and with a bias towards action; promote development of breakthrough solutions; embrace and advocate innovations that improve results;
- **Develop others:** give people challenging assignments to develop their capabilities; provide timely coaching, instruction and feedback, create an environment where failure is seen as an opportunity to learn. Coaches others and helps them develop their knowledge and skills; give people authority to make decisions.

Travel: Must be willing to travel.

Digital Green believes in open access to knowledge and information and all their code is, and is based upon, open source technologies.

Interested candidates can send in their CVs along with three references and a cover note to directortech.dg@gmail.com with the subject line indicating “Director/Dy Director-Technology – Digital Green”. Please NOTE: Only shortlisted candidates will be contacted.