

Connecting Those Who Need It Most

Overview

Inveneo is a 501(c)(3) non-profit social enterprise whose mission is to connect and empower rural and underserved communities in the developing world with information and communications technologies (ICTs).

We work with and serve organizations that deliver vital education, healthcare, economic development and relief services to some of the poorest communities in the world, enabling these organizations – NGOs, governments, and others – to more effectively serve people in need through technology.

Our approach is twofold:

Sustainable solutions for challenging environments

We design and build affordable, reliable, easy-to-manage systems for locations that have little to no power or Internet service. Most of these areas also have high levels of dust, heat, and humidity and very limited local ICT skills. We identify appropriate hardware, power sources, and connectivity options.

Local capacity for economic development

We invest in long-term partnerships with local ICT entrepreneurs, providing them with training to develop strong business and technical skills, and connecting them with other partners to share knowledge and ideas. This helps build their businesses, and ensures project sustainability. Our Inveneo Certified ICT Partner (ICIP) program is active in 24 countries, to deliver and support these solutions locally.



Inveneo and local partner CLS are using solar energy to power Ugandan schools.



Inveneo and local partner BOSCO Uganda are bringing technology and connectivity to schools, community centers and offices in an IDP camp in Northern Uganda.



Inveneo and MITAF are deploying low-power computing systems to microfinance organizations in Sierra Leone.

Job Title: Project Engineer
Department: Engineering
Salary: Commensurate with experience

Supervisor: Andris Bjornson
Start Date: Immediate
Reply-to: eng-jobs@inveneo.org

About Inveneo:

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Position Summary:

Inveneo is seeking a Project Engineer who will implement technical solutions in the rural and developing world, train Inveneo's growing global network of IT partners, and seek new appropriate technologies. Inveneo's engineering team is small and agile. Our engineers must be technical generalists able to adapt quickly to unpredictable conditions and unforeseen technical challenges.

Major Responsibilities:

- Guide technical aspects of projects from design through implementation:
 - Evaluate potential projects
 - Prepare technical quotes
 - Survey project locations in the field
 - Assess project technical requirements
 - Design technical solutions including server/workstation hardware, wireless/wired networks, solar/generator/battery power systems and appropriate software applications
 - Deploy technical solutions in the field
- Build technical capacity of Inveneo partners by leading both classroom and practical training sessions
- Provide technical support to Inveneo partners and clients via phone, email, chat, online forums, and other channels
- Identify and research new technologies to assess suitability for the rural and developing world
- Create and maintain documentation and training materials
- Collaborate with the broader ICTD community using social media tools
- Assist Inveneo staff members with internal technical support requests
- Maintain and expand a broad range of technical skills in a self-guided manner

Required Job Skills and Experience:

- Strong self-starter, able to drive projects to completion in circumstances where little guidance and support is available
- Minimum 2 years Linux systems administration, desktop and server
- Minimum 2 years Windows systems administration, desktop and server
- Minimum 2 years LAN networking experience, including implementation of gateways, firewalls, NAT, and web proxies
- Minimum 2 years script and software development in one or more of the following languages: Python, Shell, Ruby, Java, C/C++, Perl
- Ability to administer network systems including but not limited to web servers, routers, firewalls, proxy servers, and mail servers
- Familiarity with GPS technology
- Ability to communicate highly technical information to a less technical audience
- Ability to deliver training in classroom and project settings
- Ability to work with people from a wide range of cultural, socio-economic, and religious backgrounds

Highly Desirable Job Skills and Experience:

- Experience traveling and working in developing regions
- Long distance wireless networking experience
- RF engineering experience
- IP routing experience
- AC, DC, and/or solar electrical system experience
- VOIP telephony experience
- Satellite connectivity experience
- Proficiency in French, Portuguese, Spanish, or Arabic

Additional Comments:

- Position is full-time, based in San Francisco
- Must be able to travel internationally to Inveneo project sites in Africa, Asia, the Caribbean and the Middle East (Approximately 30% - 50% travel required)
- Must be willing to work outside of standard hours as needed to interact with international partners
- Must play well with others