



geekcorps
*technology volunteers enabling
communities worldwide*

Volunteer Opportunities in Francophone Africa with Geekcorps

Geekcorps is currently recruiting for several technical and management positions for projects in both Senegal and Mali.

Senegal:

The US Department of the Commerce, with the US State Department, US Agency for International Development (USAID) and Peace Corps launched **the Digital Freedom Initiative (DFI)** – a new public private partnership – March 4 2003 in order to promote the economical growth of small and medium-sized businesses and contractors in developing countries through Information and Communication Technologies (ICT).

There are rotating management and technical opportunities to participate in DFI over the next year and a half. Volunteer assignments typically last 3-6 months.

- ✓ BA in Business, Marketing or any related field, graduate degree preferred.
- ✓ Strong knowledge French
- ✓ 3-5 years of work experience preferred.
- ✓ Strong understanding (practical experience preferable) of how Information and Communication Technologies (ICTs) can be applied to small and medium-sized enterprises in developing countries
- ✓ Ability to work in a team, to share knowledge and to demonstrate interest in new technologies and research
- ✓ Good organizational capacities and willingness to take initiatives and be flexible to work in unstructured work environments.
- ✓ Good interpersonal communication.
- ✓ Ability to work in a multicultural environment

You can learn more about DFI at both www.dfi.gov and www.dfi.sn

Mali

The goal of the Geekcorps Mali Community Radio project is to give community radio stations throughout Mali access to the Internet to research, and to obtain and share radio programming. The project is an exciting technical challenge, the architecture of which includes four main components to develop:

- A wireless architecture to connect community radio stations to each other and to community learning and information centers (CLICs).
- A digital recording and editing system to allow radio stations to create digital content
- A client-server system to allow upload, download, sharing and retransmission of digital content
- A search portal to assist in searching for information for inclusion in radio programming.

This is a predominately technical project, and Geekcorps is looking for volunteers with the following areas of expertise:

<i>“Wifi Guru ”</i>
Knowledge: <ul style="list-style-type: none">- Linux, extensive knowledge of open source software, networking (TCP/IP) and- Wireless 802.11a-g,- antenna specification, installation- WiFi tools like Kismet, Aircnort, hostap
<i>“LinuxAudioPhile ”</i>
Knowledge: <ul style="list-style-type: none">- Intimate knowledge of audio tools (audacity, different audio systems (ALSA, OSS etc., mixer controls), sox, lame, on linux- Able to train radio station staff with use of Linux for audio- Familiarity with radio station equipment an asset- Able to customize a linux installation for use as a studio machine
<i>“ITBizWiz ”</i>
Knowledge: <ul style="list-style-type: none">- Knowledge of marketing methodology and tools, and creative application in small businesses/operations with little money or resources- An understanding of how to make small business, like radio, more sustainable and how to reduce operational costs and how to develop means for capital expenditures- Understanding of business operations in the developing world- Some understanding of the technology being employed
<i>LinuxNetSpec</i>
Knowledge: <ul style="list-style-type: none">- Knowledge of VSAT satellite systems- Knowledge of linux networking, including extensive TCP/IP, troubleshooting, window sizing, routing protocols, QoS, proxy tools and bandwidth management tools, as well as IP tables