Job Title – **Software Developer at Mapping for Change**
Hours: Part time (50% FTE)

Start date: As soon as possible

Location: Newington Green, London (working remotely considered)
Contract Duration: 6 months with the possibility to extend

Enquiries and applications to: Louise Francis: l.francis@mappingforchange.org.uk

Salary: £34,056 - £40,000 (pro rata), per annum (inclusive of London allowance) depending on experience

We are a friendly and forward thinking social enterprise, based in a vibrant office environment in Newington Green. We are looking for a Software Developer to join our team and contribute to an exciting new collaborative EU project.

If you have experience in software development; an interest in systems architecture and can offer technical support to assist our projects, with bespoke geographic web technologies, then we would like to hear from you. As you may have guessed from our name -a passion for maps and enabling positive change within communities is also important!

JOB DESCRIPTION/PERSON SPECIFICATION

The main role of the Developer will be to continue developing the GeoKey platform (Geokey.org.uk), written in Python in the Django framework, to enable the platform to plug into further projects and other software. GeoKey provides server-side components to run participatory mapping projects and is central to a range of projects run by both Mapping for Change and the Extreme Citizen Science research group – from assisting community groups in London to monitor air quality, to working with forest communities in Cameroon to monitor illegal poaching.

The ideal candidate will be organised, self-motivated, and innovative. A professional attitude and cultural sensitivity is very important, the team, professionals, and participants we interact with are from all over the world and from multiple disciplines. We're looking for someone who is genuinely interested in working on projects that inherently think outside of the box. A positive attitude, friendly disposition, and ability to work well both independently and within a team environment will be vital.

The candidate should have a demonstrated ability to communicate technically complex information in an understandable way and proven ability to forge effective professional relationships at all levels. The ability to manage multiple concurrent tasks and activities, working to deadlines and prioritising as appropriate is also required.

Mildmay Community Partnership, Mildmay Community Centre, Woodville Road, London N16 8NA
Tel: 020 7241 6625 • Email: info@mappingforchange.org.uk • Website: www.mappingforchange.org.uk

Mapping for Change is a registered company. Company registration number: 06756486.

You will need to quickly adapt to shifts and demands that may arise, as well as provide direction and expertise to developing and establishing projects to ensure longevity and sustainability.

MAIN DUTIES AND RESPONSIBILITIES

The Developer will closely collaborate with other ExCiteS software developers and also with our front-end Developer. The position will require the ability to deal with demands and schedules of software delivery under tight deadlines.

The following are core technical tasks within this role:

• Design and implement new functionality for GeoKey and integrate into the existing code base, coordinate with other members of the team such that it fulfils the intended requirements and has the flexibility to adapt to future use requirements, which will appear over the long term. As well as the ability to integrate with other external systems and services.
• Iteratively and collaboratively develop a core product specification document which details the abilities and characteristics of the software system to be built.
• Coordinate activity to manage the code and website to present a coherent and inviting online presence.
• Develop, maintain and provide advisory and training materials.

ESSENTIAL SKILLS

- Experience as a software developer, with proven experience working with Python and the Django framework
- Experience using Unix-based operating systems and Unix system tools and utilities, providing occasional technical support and managing servers.
- Experience in working in a team of developers to build upon robustly structured code and managing code in shared environments – in particular GitHub.
- Knowledge of software development best practices including testing, documentation and version control.
- Experience in workflow automation and continuous integration and deployment using test frameworks (Travis)

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DESIRABLE SKILLS

- Experience with relational database management systems and handling geographic (spatial) data using Postgres and PostGIS, and with SQL.
- Active participation and interest in the wider technological communities (blogging, social media, etc.).
- Experience with Less/Sass and Bootstrap framework
- Experience with authentication systems and security – e.g. oAuth, SSL

Mapping for Change is an equal opportunities employer and welcomes applications from members of all communities.

Please apply by sending your cv with a covering letter outlining why you feel you are fit for the role and demonstrating how you meet the requirements outlined in the job description (max. 2 pages).

Deadline for applications: 5:00pm 8th June 2018

Interviews to be held: 15th and 18th June 2018

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