



Job Title: Mid-Level Software Engineer (Python, PHP)

Location: London

Contract Length: 12 months fixed term contract (with potential for renewal)

Start Date: ASAP

Salary: £45,000-£55,000

About Moonshot CVE:

Moonshot CVE is a fast growing startup which specialises in countering violent extremism (CVE). We use data-proven techniques to ensure our clients respond to violent extremism effectively. Our work ranges from software development and digital capacity building, to leading global counter-messaging campaigns. We currently operate in over 25 countries, and across different forms of violent extremism.

We do this through:

- Finding new ways to reach individuals at risk of involvement in violent extremism.
- Working across different types of violent extremist ideologies.
- Collaborating with partners, and working for clients including governments, NGOs and private sector organisations from across the globe.
- Building a multifaceted team with backgrounds in a diverse range of professional and academic backgrounds, including policing, communications, psychology, data science and software engineering.
- Investing in research and development of new technologies and methodologies to counter extremism.

Working at Moonshot CVE:

We are growing quickly, have big ambitions, and high expectations of our staff. Our dedication to finding effective responses to violent extremism, and leading innovation in the field, means that our work environment is fast-paced, dynamic and creative. We match this by offering our staff access to training and skill development, scope to advance personal subject matter expertise and opportunities for career progression.

Staff at Moonshot CVE say they value:

- **Our shared sense of purpose:** working as a team to find new solutions to global challenges.
- **Personal development opportunities:** a chance to learn new things and get even better at what you already do.
- **Our ideas driven culture:** opportunities to work with creativity and autonomy whatever your position in our organisation.
- **The diversity of thought:** working with staff from a wide range of personal and professional backgrounds.
- **Open and collaborative working:** being part of a team who support each other to achieve great results.

About the role:



Moonshot CVE is looking for software developers to meet growing technical requirements and contribute to the ongoing development of in-house data harvesting, mining, analysis and reporting software. Ideal candidates will have a proven track record of creative problem solving as well as writing, maintaining and delivering excellent code for dynamic environments.

This role will involve a variety of responsibilities, including:

Requirements:

- Experience using one or more high-level programming languages (preferably Python and/or Go), either through higher education or personal experience
- Understanding of computer science fundamentals such as data structures, algorithms, discrete mathematics, software design patterns
- Experience of standard software development practices
- Experience in relational database management and SQL query optimisation
- Experience deploying software applications in Linux environments
- Experience of data gathering through the use of external APIs and web scraping techniques
- Experience using Git
- Ability to produce high quality work under pressure and to deadlines
- Excellent organisational and interpersonal skills
- Willingness to work as part of a team and support colleagues
- A commitment to Moonshot CVE's mission and ethos
- A desire to learn about violent extremism and different methods for countering it
- Ability to communicate technical information to staff without technical expertise

In addition, we require, and will check on candidates eligibility to work in the UK.

Desirable:

- Familiarity with AWS
- Familiarity with Docker
- Front and/or back end web development experience
- Familiarity with graph theory and network analysis techniques
- Familiarity with statistics, data mining and machine learning techniques
- Google AdWords, Paid Search or Online Marketing
- Language skills (Arabic, French and German particularly relevant)
- Experience working with a startup
- Experience working within an environment where security consciousness and risk management are part of the organisational culture

Benefits package:

- Individually-tailored training and skills development package.
- 30 days paid leave per annum.



- Private healthcare package, including coverage for partners and children.
- Generous maternity and paternity package.

Application Process:

To apply for this role please email a CV and cover letter to Danny Sloan, at danny@moonshotcve.com. Deadline for applications is 5pm (GMT) 7th August, 2018. Applications submitted early will be considered before the deadline, so **early application is strongly encouraged**. Select candidates may be invited to an interview and/or assessment day at our London office.