



TERMS OF REFERENCE - CONSULTANCY CONTRACT

Developer Engineer

Start Date: As soon as possible

Duration: 1 year consultancy contract

Type of work: Full time

Consultancy fee: Dependent on experience

BACKGROUND

The Global Initiative Against Transnational Organized Crime (GI-TOC) is an independent civil society organization, headquartered in Geneva, Switzerland, with offices in Austria, South Africa, Colombia and Malta, and a globally dispersed Secretariat working in around 40 countries. GI-TOC comprises a network of more than 500 independent global and regional experts working on human rights, democracy, governance, and development issues where organized crime has become increasingly pertinent. GI-TOC provides a platform to promote greater debate and innovative approaches as the building blocks to an inclusive global strategy against organized crime. GI-TOC commissions and shares research globally; curates a robust resource library of 2,000 reports and tools specific to organized crime; and uses its convening power to unite both the private and public sectors against organized crime.

JOB SUMMARY

We are looking for a DevOps Engineer to support with GI-TOC's project ECO-SOLVE: disrupting illicit environmental commodity flows through innovative activities. Environmental crime constitutes a major element of the growth in serious criminal activity and is bound up with threats to global peace and security. ECO-SOLVE has been specifically designed to address these issues and it will effectively monitor the online trade, extract useful and digestible data that can inform law enforcement and private sector action.

The DevOps Engineer role focuses on work dedicated to designing and implementing a Global Monitoring System and involves working closely with a team dedicated to this goal. Though no prior experience in criminology or ecology is required, the engineer in this role will work on a variety of projects relevant to the field and will become familiar with different domains relevant to environmental organised crime.

Main responsibilities and specific tasks

- Build a machine-learning-driven automated large-scale web scraping tool for a variety of researchers and analysts. The emphasis of the role will be on design and implement the architecture for this system, and design data pipelines to handle large scraping of data. This tool will detect incidences of online environmental or wildlife crime and collect intelligence on key illicit online markets prevalent on social media and e-commerce sites.
- Test the acquired data to ensure accuracy and quality. Develop innovative solutions for staying abreast of technological advancements, ensuring that our tool aligns with the latest tech standards, and possesses the flexibility to adjust to technological and market shifts while maintaining its effectiveness.
- Collaborate with analytics teams to improve data models that feed the intelligence tool and dashboard, increasing data accessibility and fostering data-driven decision making across the organization.

Requisite skills and experience

- Strong knowledge of backend and frontend engineering, infrastructure development, data visualisation, web development, data mining and information security.
- Solid experience with designing large scale systems dealing with high frequency and huge volumes of data.
- Familiarity with techniques and tools for crawling, extracting and processing data, and ability to quickly pick up new technologies.
- Willingness to work in “start-up mode” creatively solving problems and multitasking.
- High degree of accuracy, orientation to detail, and being organized is essential.
- Great communication and training skills, particularly to build capacity of people of different backgrounds. Good level of written and spoken English.
- A degree or equivalent in computer science or highly related field such as information systems, computer engineering, etc. preferable.

GI-TOC operates a flexible working environment and encourages staff to achieve a suitable work life balance and supports professional development and learning.

Please send your cv together with a cover letter and contact information of three professional references to the following e-mail: jobs@globalinitiative.net. Please put “Developer Engineer” in the subject line. Applications are considered on a rolling basis and recruitment will close once a suitable candidate has been found. Early application is advised.

Only short-listed candidates will be contacted.

* Candidates with the relevant experience or job titles of: Software Developer, Software Engineer, Systems Developer, Application Developer, HTML, CSS, Bootstrap, PHP Development, WordPress, IT Database Developer and Software Integration, IT Developer, Coder, Modeller, System Coder, Python, Rust, C/C++, Developer, Programmer, Technical Developer, Systems Developer, System Coder, Python, Senior Developer will also be considered for this role.