Back-end developer (remote, LMIC preferred)

Geneva Digital Health Hub (gdhub)

Deadline for submission: 30th of April 2023

6 months, possibly with extension

Background

Digital health has the potential to significantly improve the health of populations worldwide but faces challenges in achieving scale. The Geneva Digital Health Hub (gdhub) aims to connect the dots for effective coordination, governance, collaboration and ultimately impact by translating guidelines and policies into actionable insights, documenting and federating knowledge and stakeholders active in global digital health, supported by advanced data analytics and knowledge management tools.

As a digital health nexus, our mission is to translate digital health guidance and policy into practical insights, consolidate and organise the knowledge of global digital health stakeholders, and facilitate effective coordination, governance, collaboration, and impact.

We are currently in the process of the development of a comprehensive knowledge management platform for digital health: the Implementome. This platform aims to foster collaboration, improve future implementations, and inspire evidence-based policy and decision-making. To support this ambitious goal, we are looking for a highly skilled developer with a strong background in software development, particularly in low- and middle-income contexts (e.g. addressing connectivity challenges), to join our development team.

As a remote developer at gdhub, you will play a critical role in the design and execution of various components of our Implementome solution, ensuring alignment with the overall vision and goals of the platform. Working closely with the Geneva team, you will ensure that the platform's features and functionality meet user needs and expectations, and contribute to maintaining the platform's security, stability, and scalability.

Tasks

- Contribute to the development of a comprehensive software architecture and design that is scalable and secure
- Write clean, efficient, and well-documented code using programming languages such as Python, Java and Cypher
- Integrate various third-party APIs and services, if/when necessary, and develop our own API
- Implement robust data analytics and machine learning algorithms to provide insights into the platform data
- Ensure compliance with industry standards and regulations, and follow best practices for data privacy and security

- Collaborate with cross-functional teams, including designers, researchers, and data scientists to ensure the product meets user needs and quality standards
- Participate in code reviews, testing, and debugging
- Participate in team project meetings as needed

Requirements

- A strong background in software development and a minimum of 3 years of experience in developing software applications
- You have ideally completed a training in in Computer Science, Information Systems or Communication Systems
- Knowledgeable in object-oriented languages (especially Python, Java), web frameworks (Flask, Django, Tornado, Bottle), web servers (Gunicorn), graph databases (Neo4j)
- Proven experience with back-end development
- Familiarity with data analytics and machine learning to help optimize the user experience and improve the platform's performance over time
- Strong analytical and problem-solving skills
- Proactive in making suggestions and drivers of solutions.
- Excellent communication and collaboration skills
- Fluent in English or/and French

Bonus

- Experience with digital health or healthcare-related software development.

Duration: 6 months

We are currently looking to outsource this role to the Global South or LMICs, and the successful candidate will work remotely. If you're interested in this exciting opportunity, please send your CV, cover letter, and portfolio to careers@gdhub.org . We look forward to hearing from you.

We actively encourage diversity. Individuals from underrepresented communities are welcome to submit their applications.

Only successful candidates will be notified regarding the outcome or status of the selection process.

Deadline for submission: April 30th, 2023

We look forward to meeting you,

The gdhub team