Python developer

The WIV-ISP

The Scientific Institute of Public Health (WIV-ISP) is the scientific reference on public health. As a federal institution, we support health through innovative research, analysis, monitoring, and expert advice. We recently started developing a new Next-Generation Sequencing (NGS) & Bioinformatics platform to facilitate the diagnosis, surveillance and control of potential harmful organisms; and to ameliorate public health genomics by integrating NGS into the public health sector.

Your function

We are looking for a talented **Python developer** with good back end and front end skills. You will assist tackling challenging problems and building new features for our projects, working closely with our team of bioinformaticians. Previous experience in working with scientists would be helpful, but passion for software development, especially in an open source environment, would be even better. You will:

- Be integrated in a small bioinformatics unit that works closely together to develop specialized workflows and pipelines for the analysis of biological data.
- Build user-friendly (web-based) implementations that facilitate access to developed products of the platform, and maintain a centralized product catalogue using the Galaxy framework.
- Develop, implement, and maintain complex software programs that support the scientific activities of the platform.
- Ensure developed applications are in accordance with legal requirements (data security and privacy…), and contribute towards constructing Standard Operating Procedures for their use.
- Design, construct, and manage (relational) databases containing big volumes of biological data.
- Communicate with IT professionals to translate the needs of the unit into specific recommendations and requirements (infrastructure, technologies…).

Your profile

- Bachelor's degree in computer sciences or equivalent through experience.
- At least one year of (demonstrable) experience of developing, implementing, and documenting a well-defined software engineering project within a given timeframe to answer the needs of your clients.
- Experience with both software development and system administration under a Linux environment (a large degree of 'devops work' will be required).
- Skilled in at least one OOP language, preferably Python.

- Knowledge of webservers (Apache, Nginx…) and web-based applications.
- Experience in working with relational databases, especially PostgreSQL.
- Team player, quick learner, you can get things done.
- English language proficiency.

Technologies

- Galaxy (https://galaxyproject.org)
- Python 2.7
- PostgreSQL
- Nginx
- Unit testing (pytest)
- Linux
- Git

We offer

- Working in a fast evolving domain.
- Being part of a renowned scientific institute that operates at an international level.
- The possibility to impact public health policy.
- Insurance, flexible hours in a 38-hour working week, reimbursement of public transport.
- A total duration of the project of 1.5 years (start date: as soon as possible), with possibility for extension.

Interested?

Send your application via our website (http://wiv-isp.hr-technologies.com/content/jobpage.asp).

For more information about the WIV-ISP and/or the job description, contact:

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