



VACANCY ANNOUNCEMENT

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SOFTWARE ENGINEER

International Centre of Insect Physiology and Ecology (*icipe*) is a pan-African Centre of excellence in research for development and capacity building in insect science and its applications. Its mission is to help alleviate poverty, ensure food and nutritional security and improve the overall health status of peoples of the tropics. It does so by developing and extending management tools and strategies for harmful and useful arthropods, while preserving the natural resource base. Since its establishment in 1970, *icipe* has become a significant contributor to science and innovation required to meet the health and food security challenges of sub-Saharan Africa. The Centre has achieved this status by developing alternative and environmentally friendly pest and vector management technologies and products that are effective, selective, non-polluting, non-resistance inducing, and are affordable to resource-limited rural and urban communities. *icipe* is headquartered in Nairobi, Kenya and has operations in more than 40 African countries as well as thriving partnerships with universities and research organizations across the world. Employing over 500 international and national staff, *icipe* also has approximately 150 graduate students who contribute to its research portfolio annually. For additional information, visit: www.icipe.org

Please also download *icipe*'s Vision and Strategy 2021–2025

http://www.icipe.org/system/files_force/about/corporate_publications_files/icipe_Vision_and_Strategy_2021-2025.pdf

icipe seeks to recruit a **Business Support Officer I (Software Engineer)** in the **Data Management, Modelling, and Geo-Information (DMMG) Unit**. The position is tenable in Nairobi at the *icipe* Duduville campus. This is a two-year contract, renewable subject to continued position needs, funding for the position, and performance of the staff member. This is a nationally recruited position. A competitive compensation package will be offered to the right candidate. Only shortlisted candidates will be contacted.

Overall Purpose of the Job

The Software Engineer is expected to establish agile methodologies that meet standard software engineering principles in delivering high-quality data-driven web software (with GIS integrated) that will meet *icipe*'s 4-H paradigm (Environmental, Plant, Human, and Animal Health Themes) expectations.

Specific Duties

- Design, implement, test, and deploy robust, secured, and containerized web-based applications in React/Angular/Node JS, Flask, or related programming languages.
- Develop and deploy web-based data-driven GIS applications using modern frameworks such as ArcGIS, Esri JavaScript API, Leaflet, OpenLayers, Python (arcpy, shapely), or related programming languages.
- Create and manage data schemas using public/internal APIs, ORMs, and PostgreSQL databases.

Requirements/Qualifications

- BSc/BA in Computer Science, Information Technology, or any other related field from a recognized University.

- Minimum of one year proven work experience in a more or less similar position.
- Previous experience at an international/ regional research organization is an added advantage.
- Strong software engineering skills.
- An understanding of web architecting, implementing, and deploying web applications.

Other Desirable Attributes

- The candidate should be able to judge any work-related problem. Regularly consults the supervisor. That is, has a self-driven and problem-solving personality.
- The Software Engineer will assist in the supervision of interns.
- Support in drafting and preparing manuscripts and communicating research findings through well-recognized forums (e.g., conferences, meetings, and workshops) and contribute to the dissemination of research findings to stakeholders.
- Participate in local, regional, and international R&D forums.

Reporting

This position reports to the **Postdoctoral Fellow, Data Management, Modelling, and Geo-Information (DMMG) Unit**.

HOW TO APPLY

Applications will be accepted up to 1st September 2023. Interested applicants should submit: (a) a confidential coverletter; (b) a detailed CV with names and addresses of 3 referees, including e-mail addresses; and (c) a statement illustrating suitability against the listed qualifications/competencies/abilities, and skills.

Candidates are required to apply online through: <http://recruit.icipe.org> or by Email: recruitment@icipe.org

icipe is an equal-opportunity employer. It fosters a multicultural work environment that values gender equity, teamwork, and respect for diversity.