

The logo for the Indian Institute for Human Settlements (iihs) is located in the top left corner. It consists of the lowercase letters "iihs" in a white, sans-serif font, with a registered trademark symbol (®) to the upper right. The text is set against a dark red rectangular background.

iihs[®]

INDIAN INSTITUTE FOR
HUMAN SETTLEMENTS

JOB DESCRIPTION

Software Developer – Information
Technology

About Us

The Indian Institute for Human Settlements (IIHS) is a national education institution committed to the equitable, sustainable and efficient transformation of Indian settlements.

IIHS aims to establish an independently funded and managed distinct national university of eminence focused on the challenges and opportunities of India's urban transition. The proposed IIHS University will be a unique and distinct institution that will host quality campus-based education and cutting-edge research and innovation. The university will have a strong interdisciplinary orientation bringing together India-centric knowledge and applied research that also engages with, and draws from, knowledge across the globe.

For more information, please see <http://www.iihs.co.in>

About the Information and Communication Technology (ICT) Team

Our team is dedicated to developing cutting-edge solutions that address some of the most pressing challenges in sustainability. We are a multidisciplinary team working on projects that integrate AI/ML, renewable energy systems, smart grid technology, water management, waste reduction, e-mobility, and sustainable agriculture. Join us in our mission to create a more sustainable future through innovative technology.

Job Description

We are seeking a highly motivated and talented Software Developer with 3-5 years of experience, to join our dynamic team. The ideal candidate will have a passion for technology and innovation, with a strong ability to think non-linearly and approach problems from first principles. You will have the opportunity to work on a wide range of projects that span multiple domains, all under one roof, contributing to our vision of a sustainable future.

This could be either a regular position or a 11- month contractual engagement, renewable on mutual consent, with the potential to turn into a regular position over time.

Activities and Tasks

Responsibilities would include, but not be limited to, the following:

- Developing and maintaining high-quality web applications using Python frameworks such as Django or Flask;
- Collaborating with cross-functional teams to gather and define requirements for new features and functionalities;
- Designing and implementing scalable and efficient code that meets project requirements and follows best practices;
- Performing code reviews to ensure code quality, maintainability, and adherence to coding standards;
- Troubleshooting and debugging issues, and providing timely resolutions to technical challenges;
- Optimizing application performance and scalability through performance tuning and code optimization techniques;
- Staying updated on emerging technologies and industry trends, and incorporating new tools and techniques into development processes as appropriate;

- Contributing to the continuous improvement of development processes and methodologies;
- Providing support to other IIHS activities including academics, research, training, practice, operations and others;
- Participating in all activities of Institution-Building at IIHS; carrying out tasks as assigned by IIHS; and travelling on IIHS work within or outside the country as and when needed.

Structure and Reporting

The software developer will report to the Manager – Information Technology at IIHS and will be required to collaborate effectively with a diverse group of internal teams and external individuals/organizations, and students.

Person Specification

The ideal candidate should have:

- A Bachelor's degree in Computer Science, Engineering, or a related field;
- 3-5 years of experience in software development, with a focus on Python web application development;
- Proficiency in Python programming language and experience with Python frameworks such as Django or Flask;
- Strong understanding of web development concepts, including HTTP, RESTful APIs, and MVC architecture;
- Experience with front-end technologies such as HTML, CSS, JavaScript, and JavaScript frameworks/libraries (e.g., React, Angular, Vue.js);
- Familiarity with database systems such as MySQL, PostgreSQL, or MongoDB;
- Strong understanding of software development best practices, including version control (e.g., Git), code reviews, and unit testing;
- Experience with cloud platforms such as AWS, Azure, or Google Cloud Platform;
- Knowledge of containerization technologies such as Docker and orchestration tools like Kubernetes;
- Familiarity with agile development methodologies such as Scrum or Kanban;
- Experience with DevOps practices, CI/CD pipelines, and automated deployment processes;
- Contributions to open-source projects or involvement in the developer community;
- Excellent problem-solving skills and attention to detail;
- The ability to work effectively both independently and as part of a team in a fast-paced environment;
- Strong communication and interpersonal skills.

This could be either a regular position or a 11- month contractual engagement, renewable on mutual consent, with the potential to turn into a regular position over time. This offer is on an exclusive basis, which implies that other professional assignments (whether compensated or not) that bear a potential conflict of interest with IIHS cannot be undertaken.

The search will remain open until the position is filled.

Location

This position is based in Bengaluru and may entail travel to other locations in India.

Review and Assessment

The role and performance of the incumbent shall be subject to normal review and assessment systems at IIHS.

Diversity Policy

IIHS is an equal opportunity employer that encourages women, people with disabilities and those from economically and socially excluded communities with the requisite skills and qualifications to apply for positions.

To apply

If you are interested to explore this opportunity with us, please fill the online application form by clicking [here](#). (You can also click on the "Apply Now" button at the end of the Job Description displayed on the website).

Contact

Please write to us at hr@iihs.co.in if you need any clarifications while filling the online application form.



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