



Offre n°2025-08694

Fullstack Python / Django Developer

Type de contrat : Fixed-term contract

Contrat renouvelable : Oui

Niveau de diplôme exigé : PhD or equivalent

Fonction : Temporary scientific engineer

Corps d'accueil : Ingénieur de Recherche (IR)

Niveau d'expérience souhaité : From 5 to 12 years

Contexte et atouts du poste

Software Heritage is a universal software source code archive project, whose aim is to recover, preserve for the very long term and share all publicly available source code, together with its development history (e.g., as stored in version control systems). The Software Heritage archive already contains over 19 billion unique source files and 4.2 billion commits, retrieved from over 300 million software development projects. The Software Heritage initiative, hosted by the Inria Foundation, is an entirely free software (FOSS) and non-profit project.

Autonomy, transparency and consultation are at the heart of our values (the project is free and open source).

Most of the team is based at the Inria center in Paris, but the position is open to any location in France close to an Inria center (Bordeaux, Lille, Lyon, Grenoble, Rennes, Saclay, Sofia Antipolis, Nancy).

Mission confiée

We are looking for an experienced front-end software engineer. The ideal candidate will have a particular interest in front-end development, web framework architecture and implementation, and API development, in a complex development and continuous integration environment.

Here is a non-exhaustive list of projects on which you could be asked to collaborate:

- Contribute to the design and development of new application modules for the Software Heritage portal (<https://archive.softwareheritage.org/>)
- Maintain and develop APIs enabling the use of Software Heritage functionalities
- Maintain and develop GraphQL APIs, and interface them with existing or future modules
- Participate in the continuous improvement of web applications to ensure compliance with quality and accessibility standards.
- Contribute to interfacing external projects with the Software Heritage ecosystem
- Contribute to support and troubleshooting

Principales activités

- Development and maintenance of web applications (Django)
- Integration of REST and GraphQL APIs
- Participation in the development of Python application components
- Active participation in team life
- Interaction with relevant Open Source communities and Software Heritage partners

Compétences

The following skills are expected:

- Python application development
- Implementation and configuration of web applications with Django
- Unit and front-end testing (e.g. pytest and Cypress)
- Use of continuous integration tools (Gitlab, Jenkins...)
- PostgreSQL or equivalent SGDB
- Good level of English (written and spoken)

Knowledge and experience of the following will be considered an asset:

- GraphQL apis development
- Notions of user research (UX) and UI design
- Linux fluency
- Container technologies (e.g. docker)

- Working knowledge of distributed software architectures
- Distributed scheduling technologies (e.g. RabbitMQ, Kafka, etc.)
- NoSQL databases (in particular Cassandra)

Avantages

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

Rémunération

Depending on diploma and professional experience

Informations générales

- **Ville** : Paris
- **Centre Inria** : [Siège](#)
- **Date de prise de fonction souhaitée** : 2025-04-01
- **Durée de contrat** : 3 years
- **Date limite pour postuler** : 2025-06-30

Contacts

- **Équipe Inria** : DGD-I
- **Recruteur** :
Dupre Laurence / Laurence.Dupre@inria.fr

A propos d'Inria

Inria est l'institut national de recherche dédié aux sciences et technologies du numérique. Il emploie 2600 personnes. Ses 215 équipes-projets agiles, en général

communes avec des partenaires académiques, impliquent plus de 3900 scientifiques pour relever les défis du numérique, souvent à l'interface d'autres disciplines. L'institut fait appel à de nombreux talents dans plus d'une quarantaine de métiers différents. 900 personnels d'appui à la recherche et à l'innovation contribuent à faire émerger et grandir des projets scientifiques ou entrepreneuriaux qui impactent le monde. Inria travaille avec de nombreuses entreprises et a accompagné la création de plus de 200 start-up. L'institut s'efforce ainsi de répondre aux enjeux de la transformation numérique de la science, de la société et de l'économie.

L'essentiel pour réussir

The ideal candidate will have experience of participating in existing FOSS projects, in whatever capacity (developer, community organizer, technical writer, etc.). We expect self-organization and autonomy skills commensurate with the candidate's experience. Good web development practices should be well known or mastered, particularly in the context of open source software and continuous integration.

Software Heritage has a complex technical architecture, based on many different technologies, which continues to evolve. We do not expect candidates to master all of them, but rather to be open to discovery and learning. Prior knowledge of one or more of the above-mentioned subjects will help in the process of getting to grips with the project, but we encourage you to apply whatever your level of experience in these technologies.

Attention: Les candidatures doivent être déposées en ligne sur le site Inria. Le traitement des candidatures adressées par d'autres canaux n'est pas garanti.

Consignes pour postuler

CV and cover letter

Sécurité défense :

Ce poste est susceptible d'être affecté dans une zone à régime restrictif (ZRR), telle que définie dans le décret n°2011-1425 relatif à la protection du potentiel scientifique et technique de la nation (PPST). L'autorisation d'accès à une zone est délivrée par le chef d'établissement, après avis ministériel favorable, tel que défini dans l'arrêté du 03 juillet 2012, relatif à la PPST. Un avis ministériel défavorable pour un poste affecté dans une ZRR aurait pour conséquence l'annulation du recrutement.

Politique de recrutement :

Dans le cadre de sa politique diversité, tous les postes Inria sont accessibles aux personnes en situation de handicap.