ROLE: Backend Haskell Developer

From	People Ops
To	--
Submission date	July 2020
Status	Non-confidential

IMPORTANT NOTE REGARDING LOCATION

Our company is located in Lyon, France. Note that the following is **not** a fully-remote position. Working partially remotely may be accepted on a case-by-case basis for those candidates who already have experience working remotely. In such a case, it is important that the candidate be able to come working on-site on a frequent basis. This also means that the candidate must be located in the same or a neighboring time zone.

JOB OPENING CONTEXT

Based in Lyon, France, Nova specializes in numerical modeling and simulation of clinical trials for biotech and pharmaceutical companies, academic research centers and non-profit organizations.

We help our clients unleash the potential of combining math, computer science and biology to reduce the risks associated with R&D of new treatments for the benefit of patients.

Leveraging years of experience in *in-silico* modelling and the collaborative work of our team of biologists, doctors, clinicians, mathematicians and computer scientists we are currently building our Jinkō SaaS platform. Our vision is to make it the first integrated clinical trials simulation platform, combining powerful knowledge management, modeling and simulation tools dedicated to the medical research community.

Technology-wise this platform is based on a modern stack (Haskell, Python, NodeJS (TypeScript), VueJS, Kubernetes) and it has been designed from the ground up with a modular approach where components are self-contained, stateless, and operate under strict adherence to the Separation of Concerns paradigm.

To help lead the platform design and implementation, Nova is looking for a Haskell backend developer, passionate about writing clean and efficient code that can scale. There is no prerequisite on the number of years spent writing Haskell professionally. However if your Haskell coding has been limited to personal development, then we require significant experience in backend development with other languages.

RESPONSIBILITIES & QUALIFICATIONS

➜ You are curious about sciences, eager to continuously learn and use modern technologies.

➜ You are eager to work with a team of innovation enthusiasts in various fields of expertise: beside skilled developers in your field, you will also work along with biologists, data scientists and applied math engineers.

➜ You will be involved in the design and architecture decision process of an ambitious scientific SaaS project. You will build, maintain and deploy the backend components of our SaaS application.

➜ You will work on a small team of developers. We have a fun and friendly team atmosphere and we will be looking for someone who is both a technical fit and a good team fit. In addition to technical skills, we're also looking for candidates comfortable working in a dynamic environment and able to adapt to changes in requirements.

➜ You will mentor junior team members by providing your knowledge and expertise.

➜ You have 5+ years of experience in developing, scaling, and maintaining complex web apps on cloud infrastructure.

➜ English professional proficiency.

TECHNOLOGIES & LANGUAGES

We are looking for someone who knows most of the following technologies or is eager to learn/work with them:

- Languages: Haskell mostly with a sprinkle ofNode.js (TypeScript)or Python when need be.

- BackEnd: Servant, Swagger (Open API) Flask Framework (currently used for the components written in Python) and RabbitMQ/Celery for job distribution or equivalent in other languages / Express / REST & GraphQL

- DBs: MongoDBb / Postgresql / Parquet / Spark / RabbitMQ / Redis / Elastic

- Infra: Nix, Bazel, Git / Gitlab Ci / Linux / Docker / Kubernetes / Helm / Ansible / AWS

- Monitoring: Kibana / ElasticSearch & Grafana / Prometheus

Apply directly on our careers page

Contact: recruitment@novadiscovery.com