Full Stack Developer for TinyMLaaS Platform

Overview of the Role

NinjaLABO, a new AI startup funded by the European Space Agency (ESA) and specializing in "Embedded MLOps", is seeking a **Full Stack Developer**. This role offers the exciting opportunity to contribute to our TinyML as-a-Service (TinyMLaaS) platform (paper & demo). Your work will directly impact the accessibility of TinyML technologies.

What We're Looking For

- Familiar with Python.
- Experienced in some backend development, preferably with FastAPI but other frameworks are OK too.
- Motivated in frontend development, creating simple user interfaces for customer workflow.

Your Role and Responsibilities

- **Backend Development**: Initiate the project by focusing on creating a robust and scalable backend using FastAPI.

- **Frontend Development**: After establishing the backend, shift attention to the frontend, employing Streamlit or stlite. The aim here is to develop an intuitive user interface that mirrors our customers' workflows, optimizing for ease of use and enhancing user engagement.

- **CLI Generation**: Take charge of improving the platform's accessibility by automating the creation of command-line interface (CLI). This task involves generating the CLI from a Swagger (OpenAPI) specification file, making it easier for developers to interact with our platform.

- **Integration with AI SaaS and Cloud Services**: Work on integrating the platform with leading AI SaaS and cloud services, including Hugging Face and Docker Hub. This involves not only incorporating these services into our platform but also ensuring they function cohesively to expand our offering and elevate the user experience.

Bonus Skills

- Experience in automating CLI generation from OpenAPI specification files.
- Experience with cloud infrastructure and services Hugging Face, Weights & Biases
- Experience in training DNN models using Pytorch (or TensorFlow).
- Proficient in integrating a variety of cloud services and AI SaaS platforms, such as Hugging Face and W&B, into our backend infrastructure.

Your Work Environment

- Fully remote position utilizing SCRUM methodology.
- Utilization of Docker and Docker Compose.
- Workflow managed through GitHub Projects, GitHub Workflow, GitHub Pages (Quarto),

Contract Period

6 months from March to August / 3 months from June to August

Monthly Pay

Contracts facilitated through UKKO.fi.

- 3,000+€ PhD student
- 2,600-2,800€ Master student
- 2,100-2,400€ Bachelor student

How to Apply

Interested in this groundbreaking opportunity? Direct your application to Hiroshi Doyu <hiroshi.doyu@ninjalabo.ai>