

Full Stack Developer for TinyMLaaS Platform

Role Overview

NinjaLABO, an 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 ([research](#) & [demonstration](#)). Your work will directly impact the accessibility of [TinyML](#) technologies, which run small AI on micro-controllers in IoT devices.

Desired Skills and Experience

1. Proficiency in Python programming is essential.
2. Experience in backend development, with a preference for [FastAPI](#). Knowledge of other frameworks is also valuable.
3. A keen interest in frontend development, with the ability to design straightforward user interfaces that streamline customer processes.

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](#).

Bonus Skills

- Experience with cloud infrastructure and services [Hugging Face](#), [Weights & Biases](#)
- Experience in automating CLI generation from [OpenAPI](#) specification files.
- 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>