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Avo Intelligence



Embedded Software Engineer

Munich, Bavaria, Germany · 2 days ago · 68 people clicked apply

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About the job

We are seeking an **Edge AI & Embedded ML Engineer** to develop **high-performance, low-latency AI models** for deployment on resource-constrained devices. This role involves optimizing deep learning models for **real-time inference on edge hardware**, ensuring efficiency in power-limited environments.

If you have experience with **TinyML, on-device AI, and embedded neural networks**, this is the perfect opportunity to work on cutting-edge innovations.

Tasks

- Design, train, and optimize machine learning models for deployment on **microcontrollers, FPGAs, TPUs, and custom ASICs**
- Implement **low-power deep learning** solutions for edge devices
- Optimize models using **quantization, pruning, knowledge distillation, and hardware-aware training**
- Deploy and benchmark ML models on **TensorFlow Lite, ONNX, PyTorch Mobile, and Edge TPU**
- Develop firmware/software to integrate AI models with **real-time operating systems (RTOS), IoT networks, and embedded Linux**
- Collaborate with **hardware engineers** to improve AI performance on custom architectures

Requirements

- **Experience** in embedded software development for **AI & TinyML applications**
- **Proficiency** in **C, C++, and Python** for real-time, low-power systems
- **Knowledge** of **microcontroller architectures** and **RTOS** (Zephyr, FreeRTOS, etc.)
- **Ability** to work cross-functionally in a **fast-moving, collaborative** environment
- **Passion** for pushing the limits of **Edge AI & embedded ML** innovation

Benefits

- 🚀 Work on the bleeding edge of **blockchain & AI** innovation.
- 🌐 **Remote-first** team with a flexible work culture.
- 💡 Opportunity to **shape the future** of decentralized AI applications.
- 💰 Competitive salary & potential for **equity/token incentives**.

Join Avo Intelligence and revolutionize AI! Work with cutting-edge TinyML tech, collaborate globally, and make an impact. Apply now for the Embedded Software Engineer role!

Desired Skills and Experience

TensorFlow Lite

ONNX

PyTorch Mobile

C++

Rust

MicroPython

Zephyr

FPGAs

Google Edge TPU

FreeRTOS

[See less](#) ^

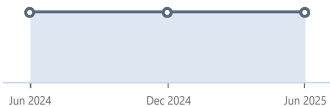
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Embedded Software Engineer, Munich, Bavaria, Germany

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About the company



Avo Intelligence
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Avo Intelligence is redefining the possibilities of machine learning by empowering businesses to leverage raw ML expertise to tackle complex challenges and innovate effectively. Operating from Germany we are uniquely positioned to conr ... show more


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Softwareingenieur:in 

Modis
Hamburg, Hamburg, Germany (Hybrid)


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Software Engineer 

Optimus Search
Wiesbaden, Hesse, Germany (On-site)


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Upper Bavaria, Bavaria, Germany (On-site)


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Embedded Software Engineer 

Optimus Search
Homburg, Saarland, Germany (Hybrid)


 Company review time is typically 1 week


4 days ago  Easy Apply





C++ Developer | Berlin | €85k 

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Berlin, Germany (Hybrid)


 Company review time is typically 1 week


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Softwareingenieur:in 

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Software Engineer - C++, GPU, QT - Located within the heart of Frankfurt-€85,000 

Optimus Search
Frankfurt Rhine-Main Metropolitan Area (Hybrid)

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Engineer* Embedded Security
(all levels) ✓

Smart Mechatronics GmbH
Paderborn, North Rhine-Westphalia, Germany (Hybrid)

Freelance Embedded Software Engineer ✓


Optimus Search
Weikersheim, Baden-Württemberg, Germany (On-site)


 Company review time is typically 1 week




Embedded Software Developer | Berlin | €80k ✓

Optimus Search
Berlin Metropolitan Area (Hybrid)

 Company review time is typically 1 week

2 days ago  Easy Apply



Embedded (Hardware / Software) Engineer ✓

SRAM
Schweinfurt, Bavaria, Germany (On-site)

1 week ago

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