Software Engineer – Linux Kernel (m/f/d)

At Axelera AI we are building a novel software stack to unlock the power of industry-leading in-memory computing technology. Our software stack enables AI developers to transform their Machine Learning models into highly-optimized machine code for the Axelera hardware platform easily and efficiently and to run DL applications with high efficiency and performance.

Your role
Your primary role will be to develop the host integration stack for Axelera hardware, including kernel drivers and host management tools.

Your tasks will mainly include the following:
- Develop the Linux kernel driver for Axelera hardware
- Design and implement host management tools
- Create emulation infrastructure for emulating Axelera hardware at the host system level
- Drive the integration of the kernel driver in the upstream Linux kernel & support for major Linux distributions

Your profile
- Bachelor's, Master's, or PhD in Computer Science or a related technical field
- 3 years of experience in a Software Engineering role with a focus on Linux kernel development
- Experience with PCIe and interfacing with DDR controllers
- Proficiency in C & Python
- Experience with Linux programming & knowledge of low-level hardware concepts
- Excellent verbal and communication skills
- You are self-reliant, independent with high sense of ownership of your work and value freedom with responsibility

Who we are
Axelera AI is a truly European deep-tech Start Up company which is developing a game-changing hardware and software platform for AI at the edge that will make the industry more integrated, efficient and accessible. Our mission is to spread artificial intelligence for a green, fair, trusted and safe world enabling new application of AI in diverse sectors like smart cities, retail and other markets. Our company is a spin-off from a multinational deep-tech group and is backed by a strong syndicate of institutional investors. We have an extraordinary and international team of top talented researchers and developers working in the headquarter in Eindhoven (NL) and in the branch offices in Leuven (BE), Zurich (CH) and Pisa (IT).

What we offer
Take the chance to become part of a dynamic, fast-growing, international organization. We offer an attractive compensation package, including a pension plan, extensive employee insurances and the option to get company shares.

An open culture that not only supports creativity and continual innovation is awaiting you. Collaborative ownership and freedom with responsibility is characteristic for the way we act and work as a team.

Interested?
Great! We are looking forward to receiving your application! Feel free to contact us whenever you have any questions or for further information @Heike Wilfling, HR Business Partner +31621929159. For further information on Axelera AI please also have a look on our website: www.axelera.ai

Do you want to stay informed about our journey and our current vacancies? Follow us on Linkedin