



## **SoC Architect (m/f/d)**

As SoC Architect within our newly launched international deep-tech Start-Up you get the chance to make real impact on the design and development of the SoC architecture of a game-changing hardware and software platform for AI at the edge. You take ownership for the definition and implementation of the whole SoC architecture activities.

### **Your role**

Your role will mainly include the following:

- Take the ownership of all architectural aspects of design and development of large SOCs, SOC blocks and sub-systems;
- Give direction to the hardware team on Integration, Interconnect, Power Management, 3rd party IP integration, clocking and reset;
- Performance analysis and benchmarking
- Lead the 3<sup>rd</sup> party IP selection
- Perform architecture design exploration by analysing and profiling NN applications for AI/ML
- Define data and control flow and programming models
- Define boot sequences and power flow

### **Your profile**

- MSc or PhD with several years of industrial experience in semiconductor SOC /multiprocessor design
- 8+ years of industrial experience in semiconductor SOC /multiprocessor design
- You have demonstrated extensive experience in architecting multiprocessor systems
- You are able to translate high level architecture requirement into microarchitecture details and work close to RTL and verification team
- You are familiar with AI/ML NN deployment
- You are a proactive & goal oriented self-starter and problem solver
- Good communication and presentation skills
- Fluent in English, both in speaking and writing; fluency in Dutch is a plus
- You are a team player who likes to elaborate technical concepts together with your colleagues
- You are able to work autonomously and plan and perform research tasks
- You have a strong sense of responsibility and want to “Make the impossible possible”



### **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! For any further questions or information, please feel free to contact Heike Wilfling, HR Business Partner, [careers@axelera.ai](mailto:careers@axelera.ai). For further information on Axelera AI please also have a look on our website: [www.axelera.ai](http://www.axelera.ai)

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