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# Example of Learning Architect Job Description

Our innovative and growing company is hiring for a learning architect. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for learning architect

* Work with the software tools and library teams to ensure appropriate software support for the DSP and to ensure competitive cycle count performance of a variety of deep learning algorithms and networks on the DSP
* Gain expert knowledge of the underlying Xtensa processor architecture and software tools to effectively use this platform to build Deep Learning DSPs
* Occasionally participate in projects or escalations to stay close to the current deployment challenges and customer use cases
* Assessing the need and creation of tools, templates, project plans, estimating tools and methodology documentation
* Managing the creation and maintenance of pre-configurations in order to drive efficiency
* Keeping up to date and provide feedback on feature designs, product roadmap and development progress of specific product area
* Serve as an escalation point for product issues Influence product direction based on customer needs and deployment needs
* Support Account Directors throughout the sales funnel by leading client working sessions, participating in the creation and review of proposals, and acting as an internal subject matter expert
* Make product recommendations to confidently meet the client’s objectives, or advise and document conditions and constraints for when GA is not well suited to deliver
* Establish consultative, advisory relationships with client sponsors

## Qualifications for learning architect

* Ideally, you have some experience with design and/or learning technology (could be as simple as Excel, PowerPoint, Adobe products, Learning Interoperability Standards
* Background in hardware architecture (pipelining, memory hierarchies, DRAM characteristics, power and area estimates)
* Bachelor’s degree in science, engineering or IT or related field or equivalent experience
* Minimum MS or equivalent, PhD preferred
* Expert in algorithm modifications and optimizations for efficient processing including fixed point conversion, exploiting parallelism, balancing data transfer and computation
* Expert in use of Machine learning and computer vision frameworks and libraries such as Caffe, Torch, Tensorflow, OpenCV