



## Principal Engineer - Software Development

### Job description

We are looking for a technical leader to work collaboratively with Technical Marketing, Architecture, Software and Applications engineering teams to refine the requirements, architecture and implementation of our next generation Machine Learning products.

#### In your new role you will:

- Work with HW, SW and systems architects to ensure the SW development meets the platform goals.
- Provide feedback to product owners in the requirements phase of a project.
- Technical oversight of software development, from requirements phase through production, to ensure the end product is consistent with strategy and architecture.
- Foster consistency in APIs and coding standards across modules.
- Ensure our solutions meets all stated requirements of quality, security, performance, extensibility etc.
- Be part of a team that is responsible for ensuring our software solutions meet the needs of today while being extensible to accommodate the needs of tomorrow.

### Profile

#### You are best equipped for this task if you have:

- Bachelor's or Master's degree in CS.
- 10+ years' experience in software development, including data structures, algorithms/heuristics and graph theory.
- 3-5 years relevant/direct experience in Machine Learning.
- Knowledge of Tensor Flow, TFLite, Pytorch, ONNX
- Knowledge of voice/image processing.

### Why Us

#### Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

### At a glance

Location: **Portland, OR (United States)**  
Job ID: **348313**  
Start date: **Aug 22, 2022**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **348313**  
[www.infineon.com/jobs](https://www.infineon.com/jobs)



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Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your on-boarding documents .

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

**IMPORTANT NOTICE:**

**Infineon is requiring all new U.S. employees and contractors to be fully vaccinated against COVID-19. Full vaccination is defined as two weeks after both doses of a two-dose vaccine or two weeks since a single-dose vaccine has been administered. Anyone unable to be vaccinated, either because of a sincerely held religious belief or a medical condition or disability that prevents them from being vaccinated, can request a reasonable accommodation.**

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.

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