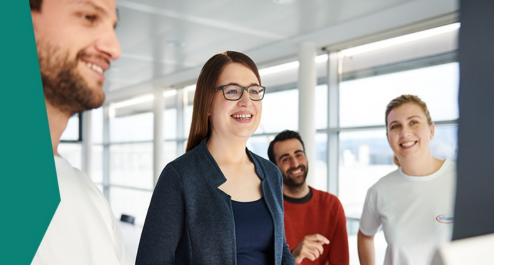# Driving decarbonization and digitalization. Together.

Machine Learning SW Architect

Job description

We are seeking a strong candidate for the Machine Learning software architect position who can lead the software ecosystem activities for IFX's in-Memory Compute solution. If interested, apply today!

In your new role you will:

- Definition of requirements for **ML algorithms, tools and SDKs for AI accelerators**
- Development of specifications for ML algorithms, tools and SDKs with a scope from graph compilation to tensor programs and HW primitives
- Hands-on **prototyping of proof-of-concept** architectural solutions for graph compiler algorithms all the way to integration on HW
- Leading integration of tools into common **ML frameworks e.g. TVM or MLIR**
- Closely cooperate with the HW architects, partners and customers to explore and align requirements
- Definition of SDK and **driving SDK integration**

Profile

You are best equipped for this task if you have:

- BS in **CS, EE or similar discipline,** MS or Ph.D. preferred
- 10+ years of industry experience in **SW and Systems development**
- Curiosity to explore new solutions and tenacity to drive them to success
- Strong capability in hands-on pre-development **(C/C++, Python or similar)**
- Strong knowledge in **ML algorithms, frameworks** and tools for edge solutions
- Strong knowledge in architecture development and specification
- Experience managing **SW projects and team building**
- Strong verbal and written communication skills

– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

The **ATV division** is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and

At a glance

Location:	**San Jose, CA (United States)**
Job ID:	**HRC0761124**
Start date:	**as soon as possible**
Entry level:	**5+ years**
Type:	**Full time**
Contract:	**Permanent**

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Job ID: **HRC0761124**

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safety.

The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.

Click here for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

Benefits

- **San Jose, CA:** Möglichkeit für Coaching, Mentoring & Netzwerken; Trainingsangebot & strukturierte Entwicklungsplanung; Möglichkeit zur internationalen Entsendung; Verschiedene Karrierepfade: Project Management, Technical Ladder, Management & Individual Contributor; Flexible Arbeitszeit: Vertrauensgleitzeit; Gesundheitsleistungen; Gesundheits- & Vorsorgeprogramme; Arbeitgeberfinanzierte betriebliche Altersvorsorge; Erfolgsbonus; Barrierefreiheit

Why Us

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

We are on a journey to create the best Infineon for everyone.
This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.
We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.
Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.
Click here for more information about Diversity & Inclusion at Infineon.

Driving decarbonization and digitalization. Together.

Infineon Technologies Memory Solutions, is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws.

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.

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.

Wage Range that the Company Expects to pay for a qualified candidate:

Minimum of $215,760.00 Salary per year
Maximum of $296,670.00 Salary per year

In addition, all employees will be eligible to participate in an incentive plan.

#LI-PB1