

Compiler Software Engineer

Job Information

Recruiter
JAC International Co., Ltd.

Hiring Company
Pioneering Edge AI Processors and Intelligent Computing Solution

Job ID
1619582

Industry
Other

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
8 million yen ~ Negotiable, based on experience

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General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

As a Compiler Software Engineer, you will play a key role in developing and optimizing compiler technologies that enable machine learning models to run efficiently on proprietary AI accelerator hardware.

Working closely with hardware architects, machine learning engineers, and software teams, you will contribute to compiler innovation, performance optimization, and software toolchain development for cutting-edge Edge AI platforms.

■Key Responsibilities
-Develop and enhance AI compiler frameworks and software toolchains.
-Optimize machine learning graphs and model execution for proprietary AI accelerators.
-Design and implement compiler features using C++ and Python.
-Collaborate with hardware and ML teams to maximize AI performance and efficiency.
-Support code generation, optimization, and deployment of machine learning models.
-Debug and resolve complex compiler and runtime issues.
-Contribute to CI/CD workflows and software quality initiatives.
-Drive innovation in AI inference optimization and Edge AI deployment.

Employee Benefits:
-Competitive compensation package
-Performance-based bonus program
-Annual salary review
-Permanent employment
-Full remote work available
-Comprehensive social insurance coverage
-Opportunity to work on cutting-edge AI processors and semiconductor technologies
-International and collaborative working environment
-Professional development and continuous learning opportunities
-Exposure to advanced AI, machine learning, and compiler technologies
-Career growth opportunities within a fast-growing deep-tech organization
-Smoke-free workplace
-Overtime typically ranging from approximately 0?20 hours per month

Required Skills

-Bachelor's degree in Computer Engineering, Computer Science, Electrical Engineering, or a related field.
-5+ years of software engineering experience.
-3+ years of professional C++ development experience.
-2+ years of Python development experience, including package development and C++ bindings.
-2+ years of experience with machine learning graph optimization.
-Experience using MLIR and LLVM frameworks.
-Experience with Git-based development workflows and GitHub/GitLab environments.
-Familiarity with CI/CD tools such as Jenkins.
-Understanding of machine learning quantization and mixed-precision inference.
-Strong debugging, analysis, and problem-solving skills.

Company Description

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