Training Notification Form, IIT Delhi

Company Overview

Name: Sony Japan

Website: https://www.sony.com/en/

Company Type: Information Technology

Description: Sony was established by founders who shared a dream and a strong will to enrich people's lives through the power of technology. From our founders' dreams and aspirations, Sony has grown over the years connecting more people with their dreams.
Sony runs a diverse portfolio of businesses from Electronic Business to Music, Movies, and Entertainment, all of which center around "People".
Talents from all over the world have been playing critical roles to make this happen, and will continue to in light of our journey ahead.
We are excited to continue trailblazing with a globally oriented mindset, and we ask that you consider joining us on our journey ahead!

Project Details

Designation: TNF 8 : Software Engineer (Embedded Linux Software Development)

Type: Information Technology

Location: Tokyo, Japan

Project Details: [Technology Field]
System Software
Software Engineering

[Position Summary]
We at Sony have endeavored to not only create groundbreaking products, but also change lifestyles by applying our cutting-edge technologies to movies, music, games, and electronics. Today, we are tackling new challenges in the realm of AI and mobility. As such, we are seeking exceptional and passionate individuals who are ready to captivate hearts and minds through their contributions to the development of our diverse range of products, content, and services.

Within Sony R&D, we foster innovation across a broad spectrum, developing products and services not only for electronic devices, but also for application to other areas such as entertainment and finance. Our R&D Software Engineers therefore regularly produce deliverables that reach a wide range of customers worldwide.

As an Embedded Linux Software Engineer, you will develop in-house Linux OS through the integration of proprietary technologies, while maximizing the use of open source software. It is likely that your output will ultimately be integrated into a variety of products, such as our cameras, medical devices, and robots. As a team, we cover multiple components, including bootloader, Linux kernel, userland, and toolchain/development environments. Finally, also note that some of our achievements and advancements are shared throughout the OSS

of our achievements and advancements are shared throughout the OSS community.

[Responsibilities]
- Work on a team aimed at developing system software for commercial electronic devices, and AI/mobility products, through design, implementation, optimization, technical support, and analysis.
*Note: System software includes Linux kernel, device drivers, application runtimes, containers, sensor/media processing frameworks, security, etc.
- Be responsible for multiple technological areas.
- Development, integration, and provision of in-house Linux distribution.
- Improvement and operation of software development flows through the use of DevOps, CI, auto test, etc.
- Development and provision of cross-software development environments for embedded platforms.
- Active contribution to the open source software community.

[Required qualifications]
- Bachelor`s Degree (graduated or currently pursuing) in computer science or related technical field, OR equivalent practical experience.
- 3 years of experience with general purpose programming languages such as C/C++.
- 1 year of experience with Linux OS (especially Linux kernel or device driver development).
- Experience as a corporate intern or in software development for activities/roles in university.

[Preferred qualifications]
- Experience with one or more general purpose script languages including, but not limited to, shell and Python.
- Experience with BSP porting of Linux kernels, performance tuning (throughput on the order of <100 microseconds of latency), low-level software debugging caused by issues with HW errata, cache coherency issues, memory corruption, etc.
- Expertise with virtualization, containers, and other computer systems/software.
- Knowledge, experience, and interest in the acceleration and optimization of OSS (such as Linux kernel and ROS).
- Willingness to incorporate, combine, and customize leading-edge software technologies to develop novel technologies and applications.
- Interest in the process of incorporating new technologies into commercial products (including various SCM/CI tools such as Git, Jenkins, and GitLab).
- Willingness to learn Japanese.
- Willingness to quickly learn and adapt to new technologies and market trends.

[Product, Service]
Alpha Cameras, Cybershot, Walkman, camcorders, professional cameras, security cameras, projectors, medical equipment, AI system solutions, and mobility.

[Development Environment]
Embedded Board (target board): Linux on x86_64, ARMv7 and ARMv8 architectures
Host: Linux on PC

Stipend Details

Stipend:	10,000 JPY Per Working Day
Accommodation:	Yes
Travel Expenses:	Yes

Perks / Bonus:

[Stipend]
Bachelor: JPY 10,000/ working day (Net)
Master: JPY 11,000/ working day (Net)

Your stipend will be calculated based on the working day.

Example: If there are 22 working days in a month, net stipend in a month is
Bachelor JPY 220,000 / month (Net)
Master JPY 242,000 / month (Net)

[Other Benefits/Support]
Single rental apartment/hotel with Wifi, Visa, flight, commuting fee, international travel insurance all provided by Sony.

Selection Process

Resume Shortlist: Yes

Written Test: No

Online Test: No

Group Discussion: No

Personal Interview: Yes

No. of Offers: 2

Selection Process: *To submit CV& Essay is compulsory. The Essay format will be distributed through placement office. Please follow the instruction given by the placement office.

Eligibility

Diversity Recruiting: No

Eligible Years: Graduating in 2025 (Pre-Final Year Students) - B.Tech / Dual / Master's

Eligible Departments: B.Tech in Biochemical Engineering & Biotechnology, B.Tech in Chemical Engineering, B.Tech in Civil Engineering, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Energy Engineering, B.Tech in Engineering Physics, B.Tech in Engineering and Computational Mechanics, B.Tech in Materials Engineering, B.Tech in Mathematics & Computing, B.Tech in Mechanical Engineering, B.Tech in Production & Industrial Engineering, B.Tech in Textile Engineering, B.Tech and M.Tech in Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, M.Sc in Chemistry, M.Sc in Cognitive Science, M.Sc in Economics, M.Sc in Mathematics, M.Sc in Physics, Master of Design in Industrial Design