

Internship Notification Form, IIT Delhi

About Organisation

Name of Company: Sony Global (Japan)

Date of Establishment: 1946-05-07

Number of Employees: 113,000

Social Media Page Link: <https://www.sony.com/en/>

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

Type of Organization: MNC (Foreign Origin)

Location of Head office: Tokyo, Japan

Nature of Business: Other
(core_engineering,it_software,data_science,finance_consulting,cyber_security,media,manufacturing)

Internship Profile

Job Title: INF1_Software Engineer (Embedded Linux Software Development)

Job Description: [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 robotics 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 robotics. 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 community.

[Responsibilities]

- Work on a team aimed at developing system software for commercial electronic devices, robotics and 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.
- 2 or more years of experience with general purpose programming languages such as C/C++.
- 1 year of experience with Linux OS

[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.
- 1 year of experience with Linux OS especially Linux kernel or device driver development.
- 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 Digital Cameras, Vlog and compact camera, camcorders, professional cameras, security cameras, projectors, medical equipment, robotics and mobility.

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

Minimum No. of Hires:	1
Expected No. of Hires:	3
Location(s)/Place of Posting/Online:	Tokyo, Japan
Skillset:	Please see the details in Job Description
Students with backlog eligible:	No

Selection Process

Resume Shortlist:	Yes
Mode of Selection:	Virtual
Resume shortlisting before test?:	No
Test:	No
Group Discussion:	No
Other modes:	Essay(Essay format will be distributed through the OCS office. Please follow the instruction given by them.)
Personal Interview:	Yes
Technical Round:	Yes
HR Round:	No
Medical Test:	No

Eligible Academic Programs

Diversity Recruiting:	No
Eligible Years:	Graduating in 2026 (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 Biochemical Engg & Biotechnology, 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

Stipend Details

Stipend (per month) (In JPY Per Month): 276,451 JPY Per Month

Accommodation: Single rental apartment/hotel with Wifi, Visa, flight, commuting fee, international travel insurance all provided by Sony.

Any other perks/ benefits/ components: 1. The stipend which stated in the compensation package section is not fixed amount as your stipend will be calculated based on the working day.

[Gross Stipend]

Bachelor: 12,566/ working day (Gross)

Master: 13,823/ working day (Gross)

Example: If there are 22 working days in a month, net stipend in a month is

Bachelor : JPY 276,451 / month (Gross)

Master : JPY304,097 / month (Gross)

[Net Stipend]

Bachelor: JPY 10,000/ working day (Net)

Master: JPY 11,000/ working day (Net)

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)

2.Other Benefits/Support

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

Provision of PPO based on performance? Yes

Tentative CTC for PPO select: TBD JPY Per Annum