

Brahmajit Das

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Work Experience

SUSE Linux GmbH

Linux developer L3 support

Remote

June 2023 — Present

- Analyzing issues in various SUSE-supported products
- Fixing bugs either on my own or in cooperation with subject matter experts
- Provide patches and fixes in timely manner and send patches upstream when possible
- Interact and keep-up with international team spread across various time-zones

Google Summer of Code 2023

Student Developer at Gentoo Linux Foundation

Remote

May 2023 — August 2023

- Patching packages for C99 (Modern C standard)
- Making sure packages are C23 proof
- Patching and testing packages for libcc on llvm profile of Gentoo
- Final work report

Google Summer of Code 2022

Student Developer at Gentoo Linux Foundation

Remote

June 2022 — September 2022

- Port GNOME Desktop for musl libc
- Fix other musl related bugs
- Took part in release engineering team with the GRS project
- Final work report

Lifespark Tech, IIT Bombay

Firmware Developer

Remote

September 2021 — May 2023

- Primary engineer working on the project WALK
- Implementation of inter-device communication using wireless protocols (WiFi, BLE, MQTT)
- Ensuring firmware security using Secure Boot and encrypted flash storage
- Develop backend architecture for remote debugging, CI pipeline and OTA updates using AWS

Sironaaz Lab

Embedded Systems Engineer, Intern

On site

May 2021 — September 2021

- Ported existing system to different processor architecture
- Integrate web UI instance with hardware

Education

Gurudas College

B.Sc. with Honors in Computer Science; CGPA: 7.5

Kolkata, India

2018 — 2021

Core Technical Skills

Programming Languages: C, C++, L^AT_EX, Python

Tools: Git, GitLab, Docker, GDB, debuginfod

Platforms: Linux, BSDs, RaspberryPi

Open Source Contributions

Gentoo Linux: Neovim and LXD package maintainer, part of QA Team for GNOME Desktop environment. Provide other minor fixes from time to time. [Link to all my contributions](#)

Blender: Patching blender to build on musl libc. [GitHub commits](#)

MoarVM: After finding out that it was not being built with Clang 16, due to incompatible function pointer as Clang 16 enabled `-Werror=implicit-function-declaration` by default. See [commit 871f7bc](#).

Achievements

HacktoberFest 2020: Among 70,000 participants, awarded goodies and cash prize.

College Seminar: First position in college seminar. Using Arduino and HC SR04 module, created a sonar with GUI feedback.