

Shreenidhi

Shedi

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Education

Visvesvaraya Technological University

B.E Computer Science – 2014

Contribution Links:

[Top Contributor – PhotonOS](#)

[Cloud-init](#)

[Linux kernel](#)

[RPM](#)

[Linux-PAM](#)

[Cpython](#)

[Dracut](#)

[libnss-ato](#)

[TDNF](#)

[U-boot-cdns_wdt.c](#)

[U-boot-xilinx_tb_wdt.c](#)

I like to solve problems and I'm eager to engage in research and development within a supportive, challenging environment.

Skillset

- **System Programming:** Extensive experience in Linux system programming, encompassing a wide range of development tasks and solutions.
- **Linux Kernel Internals:** Strong knowledge and hands-on experience with Linux kernel internals.
- **Device Driver Development:** Fundamental understanding of Linux device driver development.
- **Architectures:** Experience working on Linux (amd64, arm) and microcontrollers.
- **Problem Solving:** Proven ability to tackle complex problems and implement effective solutions.
- **Open Source Contribution:** Regular contributor to various open-source projects, demonstrating commitment to community and collaboration.
- **Programming Languages:** Hands on experience with C, Bash, Python, and Golang

Open Source Contributions

Actively contributed to a range of open-source projects, including U-Boot, Canonical cloud-init, WALinuxAgent, Dracut, Linux Kernel, RPM, and CPIO, among others.

Work History

VMware, Inc. by Broadcom | July 2019 – Current

R&D Software Engineer 4

- Contributed to Photon OS, VMware's open-source Linux distribution, including various commits to enhance functionality and performance.
- Developed and maintained the TDNF package manager, ensuring efficient package management within the OS.
- Played a key role in the design and implementation of multiple system components, driving innovation and reliability.
- Actively maintained and improved critical packages such as RPM, Cloud-Init, and Open VM Tools.
- Led CI/CD initiatives to streamline development workflows and improve deployment efficiency.
- Resolved critical OS and application bugs, delivering effective solutions that enhance stability on Photon OS.
- Received multiple awards, including cross-business unit accolades, recognizing contributions and dedication.
- Provided guidance and mentorship to junior engineers, fostering a collaborative and knowledge-sharing environment.

Verifone, Inc. | February 2018 - July 2019

SDE2

- Led the design and development of the VHQ Agent, focusing on robust firmware solutions.
- Provided global customer support, collaborating across teams to resolve issues effectively.
- Developed a comprehensive test automation framework for agent functionalities, enhancing testing efficiency and reliability.

Global Edge Software Ltd. | July 2014 - January 2018

Software Engineer

- Spearheaded firmware upgrades for Avnet Microzed-7z010, including USB driver development and automated build systems.
- Developed multi-platform firmware upgrade applications and a watchdog driver in U-Boot.
- Designed and maintained firmware for Tiva 1232E6PM/123GH6PM MCU, resolving RS232/RS485 communication issues and integrating MCU sensors with Linux.
- Implemented I2S data transmission over seven hops with precise timing, enhancing capture and playback modules.
- Created a DLNA Control Point, facilitating device discovery and porting to the Genivi (IMX.6) platform.