

linux based firmwares & software developer for embedded and other usage

Specialist in the creation of high optimized firmwares & software, based on Linux for embedded systems and other usage. Consultanting in wide range linux and open source questions, with over 20 years experience.



last 5 year work experience

miZy

2017-NOW - founder and main developer

- creator of **miZy** (OS fully based on linux and other opensource software, optimized for embedded usage)
- full stack developer (c shell sh perl make gcc musl compilation cross-compilation git)
- build dev-kit for developers
- on demand custom firmware builder

Xunlong Orange PI

2015-2018 - remote community

- work with full range allwinner h2+ h3 SoCs
- active testing all boards
- make improve Linux kernel support for all sunxi specific systems
- make improve U-boot support - for spi flash, i2c display, FEL mode, advanced linux boot
- prepare fully spi flash support, im was first who create Linux fully suitable for spi flash on sunxi boards
<https://openwrt.org/toh/xunlong/orangepizero>

linux kernel + modules + u-boot infrastructure developer (* c shell perl make gcc musl arm compilation cross-compilation git *) basic linux environment usage

work with rk3399 soc

- active testing
- improve linux + uboot + dtb support for orange pi rk3399
- create extreme small rescue system based on linux kernel uboot and busybox suitable for boot from any sources

HardKernel

2015-2016 - remote community

- odroid c2 Amlogic S905 ARM® Cortex®-A53(ARMv8) / c1 Amlogic S805
- testing compilation linux, uboot, and other open source apps for this boards
- make a simple firmware image write/reader/checker and many other shell scripts collection for this boards

OpenWRT

2013-2018 - remote community

- active developer for Atheros AR71xx/AR7240 MediaTek / Ralink - CPUs/SoCs, about 6 year
- advanced and custom WiFi routers firmware builder, last 3 years

active open source tester and contributor

2010-NOW - remote community

- improve linux kernel for many ARM SoCs boards ... also ffmpeg, mpd , opus, flac, vorbis, icecast...

check via google sources tagged by **##hyphop##** or there <https://hyphop.github.io> or <https://github.com/hyphop> or <https://stackoverflow.com/cv/hyphop> or <https://stackoverflow.com/story/hyphop> ...

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 - GitHub: <http://github.com/hyphop>
 - PDF: [hyphop_cv.pdf](#)
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