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EXPERIENCE

Google, Boston, Massachusetts *2011-current*

ChromeOS.

Analog Devices Inc, Norwood, Massachusetts *2006-2011*

Systems application engineer for Linux embedded systems running on the Blackfin processor. Lead maintainer of the Blackfin Linux kernel port as well as the Blackfin Das U-Boot (bootloader) port. Assist in maintenance of the Blackfin ports of GNU Binutils (assembler, linker, etc...), GNU GDB (debugger), gdbproxy (gdb/jtag monitor), and UrJTAG, and the enter Blackfin Linux distribution. Created a fully functional Blackfin processor simulator on top of the GNU Simulator, and another on top of QEMU. Wrote and maintained significant volume of documentation (user and developer oriented).

Gentoo Foundation Inc *2002-current*

Holding a wide variety of roles from package maintainer to herd leaders. Currently leading the Base System, Toolchain, and embedded groups. Also hold significant roles in the Architecture teams for Arm, HP-PA, Itanium, IBM zSeries (s390), and SuperH. Active Embedded developer on the side. Wrote, documented, and maintain the cross-compiling infrastructure that all of Gentoo/Embedded is based on. Assist in low level maintenance of the Gentoo/Hardened project with topics including TEXTRELS/PIC/PIE/ELF scanners.

Open Source Projects *2003-current*

- Linux Test Project (LTP): testing and verifying Linux systems
- uClibc: micro C library for embedded Linux systems
- BusyBox: replacement of common UNIX utilities for embedded systems
- UrJTAG: program for controlling devices via JTAG (CPUs, flashes, etc...)
- many other projects across the open source ecosystem

EDUCATION

Bachelor of Science *2000-2004*

Worcester Polytechnic Institute, Worcester, Massachusetts
Major: Computer Science

Project Work:

- MQP: Design and Implementation of TCP Splice for Linux
- IQP: Design and Implementation of Arthritis Care Intranet

Programming Skills:

- C, C++, Assembly
- SQL, PHP, ASP, HTML, TCL
- Java, Visual Basic
- Bash, awk, sed