Kevin Short – cover letter for Linux and Embedded Systems

I have been developing system level software on UNIX and Linux systems since 1980.

* Excellent understanding of UNIX and Linux boot sequence, device drivers, firmware, boot loaders, and other low-level aspects.
* Experience developing for embedded Linux platforms.
* Experience developing for hard real-time and constrained platforms.
* I have developed device drivers and other system software on Bell Labs UNIX V6 (“Research UNIX”) and V7; AT&T System UNIX System V Release 4 (SVR4); 4.3BSD UNIX; XENIX; Masscomp Real-Time UNIX; SunOS and Solaris; HP-UX; AIX; Red Hat, CentOS, Fedora, and SuSE Linux; Linux From Scratch; User Mode Linux; and possibly a few others I have forgotten.

I also have experience with real-time operating systems and platforms, including WindRiver VxWorks, Enea OSE, VRTx, and several custom executives and schedulers.

Hardware platforms include: Morotols/Freescale PowerPC 8548, 7410, 860; Intel StringARM, X86; Motorola 68K family; Sun SPARC; Zilog Z80/Z8000; others. Various bus architectures.

Here are some highlights from most recent to oldest:

* Cedar Point / GENBAND: RHEL, CentOS, Fedora, SuSE Linux, and Solaris. Bootloaders, FPGA firmware. Recently wrote the custom Kickstart packages for RHEL and CentOS platforms. (Intel X86 processors)
* Cellular Specialties: Full responsibility for the embedded Linux platform. SPI, USB, digital I/O, DAC/ADC drivers. (Intel X86 processors)
* Quintron Systems: device drivers for a facial biometric system. (Intel X86)
* Lightchip: USB and SPI device drivers, boot loaders. (Intel StrongARM and X86 processors.)
* IBM T.J. Watson Research Center: UNIX device drivers on VMEbus, Motorola 68K, Intel X86.
* Dictaphone: UNIX device drivers for disk drives.