SENIOR EMBEDDED SYSTEMS ENGINEER – CANDIDATE EMB-A4

Profile

Embedded Linux expert with 11 years in developing firmware for networking devices. Skilled in kernel modules, bootloaders, and secure OTA mechanisms.

Experience

Firmware Lead, NetBox AG; Frankfurt, Germany — 2016–Present
Developed secure boot process and modular kernel extensions for routers. Managed Yocto build system and signed OTA updates.

Embedded Linux Engineer, LinkWave GmbH; Mainz, Germany — 2012–2016
Customized OpenWRT builds and built drivers for Wi-Fi chipsets. Designed UI interface integration layer via JSON-RPC.

Junior Developer, ComLink UG; Darmstadt, Germany — 2010–2012
Maintained CLI-based firmware configuration tools and added IPv6 NAT support modules.

Education

Goethe University Frankfurt, Frankfurt — M.Sc. Embedded Linux Systems, 2010
University of Novi Sad, Novi Sad — B.Sc. Telecommunication Systems, 2007

Skills

Embedded Linux, OpenWRT, Yocto, Kernel Modules, Secure Boot, OTA, Bootloaders, C, Drivers, Networking Firmware

Awards

Yocto Advanced Build Systems | Secure Embedded Linux Certificate | Linux Kernel Dev Training – LFD420