



Martin Hundebøll

Versatile Linux developer with experience in embedded platforms

PROJECTS

DEIF A/S— *Embedded Developer*

January 2019 - PRESENT

Bootloader and driver development and integration on in-house RTOS.

Connected Cars A/S— *Embedded Linux Architect*

August 2018 - PRESENT

Linux BSP design and development using Yocto / OE. Delta update systemd design and implementation.

DEIF A/S— *Embedded Developer*

March 2018 - July 2018

Driver development and integration on in-house RTOS.

DEIF A/S— *Embedded Linux Developer*

May 2017 - February 2018

Linux driver development and userspace integration.

TRIAx— *Embedded Linux Architect*

May 2017 - February 2018

Linux Yocto BSP architect - hardware review, bringup and integration.

Embedded Linux Tech-Lead

February 2017 - Marts 2018

Linux BSP development, hardware bring-up and driver development.

RTX— *Embedded Linux Developer*

November 2016 - January 2018

Linux BSP development, hardware bring-up and multimedia integration.

Johnson Controls— *Embedded Linux Developer*

October 2016

Linux BSP development, hardware bring-up and driver development.

COMPETENCIES

C, C++, Python, Bash, U-Boot,
Linux, Yocto/OE, OpenWRT,
TCP/IP, IEEE 802.11, Mesh,
Git, Buildbot, Ansible

LANGUAGES

Danish
English

CONTACT

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SEMVAC — *Embedded Linux Developer*

August 2016 - September 2016

Linux BSP development, hardware bring-up and driver development.

Focon Electronic Systems — *Embedded Linux Developer*

June 2016 - July 2016

Low-end Linux development and system integration.

New Nordic Engineering — *Embedded Linux Developer*

March 2016 - May 2016

Linux BSP development, hardware bring-up and driver development.

Focon Electronic Systems — *Embedded Developer*

March 2016 - May 2016

Embedded C++ / Qt browser development and system integration.

Ambu — *Embedded Linux Developer*

July 2015 - November 2016

Linux BSP development, hardware bring-up and driver development.

RTX — *Embedded Developer*

February 2016 - June 2016

Embedded RTOS development for wireless DECT phones.

EXPERIENCE

Geanix ApS, Aarhus — *Embedded Linux Consultant*

June 2018 - PRESENT

Freelance consultant working with:

- Linux BSP development using Yocto / OE
- Embedded microcontroller development
- Userspace application development for embedded linux
- Python development (test frameworks, buildbot, OE, etc.)

Prevas A/S, Aarhus — *Embedded Linux Developer*

January 2015 - May 2018

Consultant on both in-house projects and on-site; includes:

- Multiple Linux platform projects (Yocto/OE)
- C++ projects with and without GUI (Qt5)
- C for embedded platforms
- Python development (test frameworks, buildbot, OE, etc.)
- Continuous integration for internal projects (Buildbot)
- Server administration (Ansible)
- Tech-lead / technical PM on multi-people projects

Aalborg University, Aalborg — *PhD-Student*

September 2011 - December 2014

Develop and implement network coding protocol for wireless mesh networks. Focus on practical application and evaluation of protocols. Development in both C and C++ i kernel and userspace, respectively. Test and data analysis in Python.

ABB Tropos Wireless Systems, Sunnyvale — *Intern*

March 2014 - May 2014

Implement network coding for commercial wireless mesh products. Included C, C++ and network configuration.

Vestas Wind Systems, Aarhus — *Intern*

August 2010 - December 2010

Implement prototype of real-time network protocol for turbine controller communications.

EDUCATION

Aalborg University — *MSc. Networks and Distributed Systems*

September 2009 - June 2011

Aalborg Universitet — *BSc. Computer Engineer*

September 2006 - June 2009