

Jonas Suhr Christensen



PROFILE

Linux developer with Embedded Linux experience.

CONTACT DETAILS

@jsc@umbraculum.org

+45 29 72 40 96

Viborgvej 39, 1.th, 8000 Aarhus C, Denmark

PERSONAL INFORMATION

Year of birth: **1982**

Citizenship: **Danish**

Family: **Single without children**

Languages: **Danish** (native),
English

SKILLS

- Yocto, Buildroot
- Linux kernel, U-Boot
- C, C++, Python
- Git, Buildbot, Docker

PROJECTS

- LINUX DEVELOPER, *Military Surveillance*. 2021–2022**
- ◊ Upgrading and hardening existing ED-109A compliant Linux platform with secure both and cryptographic authentication.
 - ◊ Buildroot, Secure boot, Quality compliance, REST service, Python.
- EMBEDDED DEVELOPER, *Waste Hero Aps*. 2021–2021**
- ◊ STM32XX firmware development and automatic test setup of embedded devices.
 - ◊ STM32XX, Jenkins.
- EMBEDDED LINUX DEVELOPER, *dol-sensors A/S*. 2021–2021**
- ◊ Support/advisor for Yocto BSP robust Update A/B Scheme.
 - ◊ Yocto, RAUC.
- EMBEDDED LINUX DEVELOPER, *VibrAkustik ApS*. 2021–2021**
- ◊ I2S audio bring up on Nvidia Jetson Nano.
 - ◊ I2S, ALSA, ASoC, Nvidia Jetson Nano.
- EMBEDDED LINUX DEVELOPER, *Beijer Electronics A/S*. 2019–2020**
- ◊ Linux Yocto BSP bring up and development of multiple targets with automatic test setup.
 - ◊ Yocto, U-Boot, i.MX SoC, Linux kernel input subsystem, CI / Buildbot.
- EMBEDDED LINUX DEVELOPER, *Wind Energy*. 2019–2019**
- ◊ Linux BSP with python communication interface.
 - ◊ Buildroot, Python.
- EMBEDDED DEVELOPER, *Mjolner Informatics A/S*. 2018–2018**
- ◊ Proof of concept firmware - Dialog based Bluetooth Low Energy.
 - ◊ BLE, Dialog SDK.
- EMBEDDED LINUX DEVELOPER, *Music Group*. 2018–2018**
- ◊ Proof of concept firmware - Dialog based Bluetooth Low Energy.
 - ◊ BLE, Dialog SDK.
- EMBEDDED LINUX DEVELOPER, *Vestas Wind Systems A/S*. 2017–2018**
- ◊ Linux ARCnet driver development and integration of FPGA IP.
 - ◊ Realtime systems, Linux network driver, Xilinx Zynq.
- EMBEDDED LINUX DEVELOPER, *Audio and Video Surveillance*. 2017–2017**
- ◊ Linux BSP bring up and development.
 - ◊ OE-Lite, ModemManager, C, C++, CI/Team City.
- EMBEDDED LINUX DEVELOPER, *SL Audio A/S*. 2016–2016**
- ◊ Linux BSP bring up, driver backporting and input driver development.
 - ◊ OE-lite, U-Boot, i.MX SoC, Driver backporting, Linux input driver, C.
- EMBEDDED LINUX DEVELOPER, *SL Audio A/S*. 2016–2016**
- ◊ Maintenance and development of Linux BSP.
 - ◊ OE-lite, C, C++, CI/Buildbot.
- LINUX DEVELOPER, *Spectronic Denmark A/S*. 2015–2016**
- ◊ Linux system development and maintenance of BSP for multiple platforms.
 - ◊ Linux, Testing, Platform debugging, OMAP2, C, C++, CI/Team City.
- SOFTWARE DEVELOPER, *Department of Ophthalmology at Aarhus University Hospital*. 2010–2014**
- ◊ Application and infrastructure development supporting the department.
 - ◊ Medical device connectivity and data collection.
 - ◊ Client implementation of Det Fælles Medicinkort.
 - ◊ C, C++, Qt, Linux, Application development, Idea to product experience.

STUDENT PROGRAMMER, *Department of Ophthalmology at Aarhus University Hospital.* **2009–2010**

◇ Medical device connectivity and data collection.

◇ C, C++, Communication and Data protocols.

WORK HISTORY

EMBEDDED LINUX DEVELOPER, *umbraculum.org.* **2015–2024**

EMBEDDED DEVELOPER, *WasteHero Aps.* **2021–2021**

EMBEDDED LINUX DEVELOPER, *Prevas A/S.* **2016–2021**

EMBEDDED LINUX DEVELOPER, *Spectronic Denmark A/S* **2015–2016**

SOFTWARE DEVELOPER, *Department of Ophthalmology at Aarhus University Hospital.* **2010–2014**

STUDENT PROGRAMMER, *Department of Ophthalmology at Aarhus University Hospital.* **2009–2010**

EDUCATION

M.SC. COMPUTER SCIENCE. Faculty of Computer Science. *Aarhus University.* **2007–2010**

◇ Specialisation in Algorithms and Data Structures.

B.SC. COMPUTER SCIENCE. Faculty of Computer Science. *Aarhus University.* **2003–2007**

14th March 2024