

## Personal information

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**Civil status:** Living with my fiancée Marie, and our children - Mikkel born in 2014 and Karla born in 2016

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## Summary

- Experienced R&D Engineer with a proven history of working with platforms ranging from low-power Cortex M to high-end 64 bit multicore platforms like:
    - x86-64 (Intel Apollo Lake etc.)
    - Xilinx Zynq / ZynqMP
    - Nvidia Jetson
  - Strong engineering professional, skilled in Linux, Embedded software, C++, Software Design and System Architecture
  - Focuses on Linux - Taking the role as Embedded Linux Architect.
  - See LinkedIn for primary / most up-to-date CV.
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## Experience

- 01.2025 - **Embedded Linux Architect, Prevas A/S**  
Linux consultant at Prevas, where I help the customers of Prevas with primarily Embedded Linux and Cyber Security related challenges.
- 04.2014 - **Appointed examiner, Danish examiner corps**  
As part of the Danish examiner corps I am helping the universities grading exams up to candidate / master level. I primarily work with the engineering departments of DTU – Technical University of Denmark and SDU – University of Southern Denmark.

# Experience

01.2024 - 12.2024 **Linux Software Architect, Ambu A/S**

To solidify the role Linux plays in Ambu solutions, I am now the Linux Software Architect. It involves among others.

- Current and future display units with a focus on Yocto Linux.
- BSP's for different hardware platforms
- Appliances designed around Gentoo Linux

It is a role where I work closely together with the other architects (Embedded, Hardware, Software, Application) as Linux interacts with all the teams.

08.2021 - 01.2024 **Senior R&D Embedded Software Engineer, Ambu A/S**

Part of the Embedded team inside the Display Unit division of Ambu, working to improve their display and visualizations solutions for all the different single use scopes provided by Ambu A/S.

My main focus is the Yocto Linux solutions powering Ambus hardware mainly handled by the Embedded team. Secondary, because of my Linux knowledge, I also work as a Linux resource for the other teams - hardware an application.

01.2011 - 07.2021 **Firmware Design Engineer, Phase One A/S**

Key member of the R&D team for the leading medium format camera company. Started as a general firmware engineer and have over time been involved with nearly all aspects of firmware for industrial cameras, digital backs, lenses and camera bodies.

My areas of work have been numerous ranging from small C projects for Cortex M0 to big Linux projects using high-end platforms like Xilinx ZynqMP.

Being a Linux enthusiast since 2004, means I have tried for focus on Linux related projects whenever it was possible. I constant push towards a better use of Linux including using the modern de facto tools like Yocto for embedded Linux.

I was the in-house Git expert and was the driving force for switching to git across the company. I run git-training, governance of server, tools, etc.

04.2008 - 08.2010 **System-administrator, Epidemiology - University of Southern Denmark** (Student job)

Based on my work in the research unit for Biostatistics, I was hired to help Epidemiologi with setting up a new system structure for the Danish Twin Registry. The design on the new structure was already handled by Lars Hvidberg, which also was my leader at Epidemiologi. My tasks included setup of Cisco Firewall (ASA 5520), SSL VPN, RSA SecurID, server virtualization (Xen and HyperV), OpenLDAP + Samba as domain controller and more. In general I had full-time work in my summer holidays, with minimum working hours when I needed to focus on studying.

## Experience

- 07.2006 - 05.2010 **System-administrator, Department of Biostatistics - University of Southern Denmark** (student job)  
Part time Linux assistant at the research unit for Biostatistics. As part of the Department of Statistics, Biostatistics has some special Linux needs which the IT service department was not able to honor. They hired me to handle their Linux workstations and servers.  
I modernized the system from an old NIS/NFS setup running SLES version 9 and Solaris to a setup with Ubuntu and Kerberos/LDAP and NFSv4.
- 02.2007 - 08.2007 **Internship, APC, Kolding**  
Trainee as firmware engineer with subsequent summer hiring. Developed the battery monitor firmware for the Symetra PX 160 kva - today named SY96K160H-PD.  
While being an intern I showed my skills in problem solving, resulting in a trip to US for helping the R&D team in Boston.
- 09.2003 - 04.2004 **Self-defence instructor at Jelling evening school, Vejle**  
Evening courses at Bredagerskolen in Jelling. The job required among other things skilled teaching and communication abilities.
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## Education

- 2008 - 2010 **Master in Robot Systems Engineering**  
M.Sc.E.E. from University of Southern Denmark - With embedded systems as area of specialization. Keywords are Firmware, Realtime, FPGA, System on Chip, etc. Diploma and education description can be obtained by contacting me.
- 2004 - 2008 **Electrical engineer**  
B.Sc.C.E. from University of Southern Denmark - Diploma and education description can be obtained by contacting me.
- 2000 - 2003 **Higher Technical Examination**  
Graduated with a Higher Technical Exam from Vejle Upper Secondary Technical college. This is qualification for admission to university. Diploma can be obtained by contacting me.
- 1990 - 2000 **Public school to 9. grade**  
Completed the public school in Vejle at Sct. Norbert.
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## References

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| <b>René Rosendahl</b>      | Head of Embedded Software, Ambu A/S.   |
| <b>Morten Bruun-Larsen</b> | VP R&D, Phase One A/S.   |
| <b>Lars Hvidberg</b>       | System-administrator - Accountable for the Danish Twin Registry, Epidemiology, University of Southern Denmark. |
| <b>Lars Korsholm</b>       | Former associated professor and IT accountable, department of Biostatistics, University of Southern Denmark.   |
| <b>Michael Pedersen</b>    | Former engineering team leader, Schneider (APC), Kolding   |
| <b>John Lundgreen</b>      | Former president for Amanogawa Fighting & Fitness, Vejle   |
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# Language

Fluent in Danish and English.

German, Swedish and Norwegian at simple conversation level.

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## Leisure pursuits

### Foreningen Kollegienet Odense

I have been highly involved in all aspects of FKO – Foreningen Kollegienet Odense. This is an Internet Service Provider with the purpose of providing cheap Internet to students in Odense.

- The board (04.2006 - 04.2009)  
The board handles the administration of the association. Tasks handled by the board includes defining strategy and vision, handling employees and budget in the vicinity of 2 million kr. I was vice-chairman from 2006 to 2008, and chairman from 2008 until I resigned at the annual general meeting in 2009.
- Server group (08.2005 - 04.2012)  
Handles the different services FKO offers, like DNS, mail, web, irc and so on. In this period the services was run on Gentoo Linux. Though started a move to Ubuntu LTS for last years.
- Net group (01.2007 - 04.2012)  
Handles the core network of FKO. The equipment is predominant from Cisco, with servers for handling statistic, DHCP, logging and network login.

### Budo sport

Budo sport was an interest in many years for me. I was affiliated with Amanogawa in Vejle from spring 1996 to the autumn of 2007, where I also was part of the associations board in 3 years. I was certified instructor for all SFM ranks, plus graded to 1. kyu. in Amanogawa Ryu MMA, 5. kyu Aikido Aikikai and 5. kyu Jiu-Jitsu M/B.

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