

# Personal Resumé

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## Lars Bøgild Thomsen

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  - **Professional Website:** [stm32world.com](http://stm32world.com)
  - **Residence:** Kuala Lumpur, Malaysia
  - **Birthday:** Dec. 31, 1966
  - **Nationality:** Danish
  - **Marital Status:** Married
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## Summary

I am a seasoned technical professional with over 30 years of experience in electronic engineering, network management, IT infrastructure, and product development. My expertise spans networking (telco grade), TCP/IP (IPv4 and IPv6), UNIX systems (servers, desktops, embedded systems using OpenWrt), and electronics hardware and firmware design. I excel in creating robust, scalable and secure solutions, and my versatile skill set allows me to adapt to a variety of technical challenges.

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## Relevant Education

### **Bachelor of Science in Electronic Engineering**

*Haslev Teknikum, Haslev, Denmark (1993)*

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## Experience

### **Director of Infrastructure**

*OptDyn (2018 – Present)*

## *Personal resumé for Lars Bøgild Thomsen*

*Location: Kuala Lumpur, Malaysia*

OptDyn is the creator of the Subutai Social Cloud. In my role, I have been leading the product design and implementation, particularly automating the management of our server infrastructure, which includes over 40+ bare-metal servers hosted at data centres in the US and Europe.

I also designed multiple embedded electronic security devices (LifeLine Cable and LifeLine Wallet both based on STM32 MCUs), had prototypes manufactured in China and implemented the embedded firmware for those devices. As part of both the Subutai Social Cloud and the LifeLine Wallet I developed multiple blockchain smart contracts in Solidity including crypto tokens (Goodwill and KHAN) used for settlement in the Social Cloud.

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### **Founder & CEO**

*Netcom Partner Sdn. Bhd. (2004 – 2018)*

*Location: Kuala Lumpur, Malaysia*

I founded and led Netcom Partner Sdn. Bhd., focusing on designing, implementing, and maintaining corporate IT infrastructures primarily for Scandinavian companies.

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### **Chief Technical Officer (Co-founder)**

*JustIT Sdn. Bhd. (2001 – 2004)*

*Location: Kuala Lumpur, Malaysia*

Co-founded JustIT Sdn. Bhd. to develop specialised customer care and billing solutions. Led several projects, including the development of the IPSmart billing system, Video Logger, JitOS (embedded Linux), JServer (Linux based OS), and JBPX (phone switch based on JitOS).

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### **Senior Consultant – Asia-Pacific**

*Belle Systems A/S (1999 – 2001)*

*Location: Kuala Lumpur, Malaysia*

Provided pre-sales support and managed project implementations across the Asia-Pacific region, Coordinating our Asia Pac region with our partner Cisco. Played a key role in representing regional requirements in the company's global Product Council.

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### **Department Manager**

*Dansk Data Elektronik A/S (1996 – 1998)*

*Location: Herlev, Denmark*

Managed the Facilities Management department, growing it from a single-person operation to a team of 8, overseeing outsourced resources for about 50 customers throughout Denmark. I also worked in the firm's training department running courses in UNIX, Silicon Graphics IRIX, Sun Solaris and network security.

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### **Senior Consultant**

*Belle Systems A/S (1994 – 1996)*

*Location: Holbæk, Denmark*

## *Personal resumé for Lars Bøgild Thomsen*

Managed the company's network infrastructure, security, and customer support. Provided consultancy and pre-sales support, particularly in the areas of network security.

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### **Translator**

*BST Translation (1994)*

*Location: Denmark*

Translated the book "Using Ami Pro" from English to Danish and translated the software package and manuals for "Lotus Freelance Graphics."

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### **Teacher**

*Haslev Håndværkerhøjskole (1993 – 1994)*

*Location: Haslev, Denmark*

Taught Mathematics, Technical Drawing using CAD software, 3D drawing, Word Perfect, and General Computer Knowledge.

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### **Electronic Engineer**

*RC International (1988 – 1989)*

*Location: Praestoe, Denmark*

Repaired and tested various PC and network hardware at one of Denmark's largest computer manufacturers, working with Z80 and Intel-based microcomputers, RC900 PCs, mini computers, LAN multiplexers, and X.25 switches.

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## Core Technical Knowledge

- **Networking (Telco and Enterprise Grade):** Deep expertise in TCP/IP (IPv4 and IPv6).
  - **UNIX Systems:** Expert in all things UNIX, from servers and desktops to embedded systems using OpenWrt.
  - **Electronics Hardware Design:** Skilled in designing schematics, PCBs, production, and assembly.
  - **Embedded Development:** Skilled in C development for embedded systems (ESP32, STM32, RISC-V).
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## Languages

- **Danish:** Native/Fluent
- **English:** Fluent in written and verbal conversation
- **Swedish:** Proficient Understanding
- **Norwegian:** Proficient Understanding
- **German:** Basic Understanding

## Hobbies and Personal Interests

- **Microcontrollers (MCUs):** I am passionate about microcontrollers and run an educational website [stm32world.com](http://stm32world.com), manage a 10k-member Facebook group (<https://www.facebook.com/groups/stm32world>), and a YouTube channel (<https://www.youtube.com/@stm32world>).
- **STM32World Boards:** The STM32World series of development boards are designed to simplify prototyping and development with STM32 microcontrollers. These boards are stackable, modular, and versatile, making them ideal for both beginners and experienced developers. Key features include:
  - **Stackable Design:** The boards are designed to stack on top of each other, allowing for easy expansion and customisation.
  - **Modular Architecture:** Each board is modular, meaning that developers can mix and match different modules depending on their project needs.
  - **Open Source:** The designs are fully open source, with detailed schematics and documentation available to the community.
  - **Comprehensive Documentation:** The STM32World website provides extensive tutorials, user guides, and technical support, ensuring that users can maximise the potential of their boards.
  - **Community Support:** With an active Facebook group and YouTube channel, users can engage with a community of like-minded individuals to share knowledge, troubleshoot issues, and collaborate on projects.

More details can be found on the [STM32World Wiki](#).

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## References

Available on request.