

Lauri Jakku

Senior Embedded Software Engineer

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Summary

Dynamic Senior Embedded Software Engineer with over a decade of experience in developing and implementing complex software solutions for various embedded systems. Proficient in middleware layer solutions, BSP work with Yocto, and production testing, with a successful Scrum master training completion. Demonstrated ability to enhance software performance and reliability, contributing significantly to previous employers. Ready to bring expertise and innovation to meet the evolving needs of cutting-edge technology companies.

Work Experience

CEO, Paxsudoss IT, Pori, Finland

07/2020 – Present

- Orchestrated the growth of a side business while concurrently employed at Bittium.

Senior Software Engineer, Elektrobit Wireless Oy / Bittium Wireless Oy, Oulu, Finland

01/2012 – 04/2024

- Revamped and implemented middleware layer solutions to enhance system performance.
- Executed BSP work with Yocto, contributing to streamlined development processes.
- Facilitated production testing of deliveries, identifying and rectifying issues effectively.
- Attained Scrum Master certification, fostering agile methodologies within the team.

System SW Engineer, Tieto Deutschland GmbH, Nürnberg, Germany

07/2011 – 12/2011

- Optimised a Java-based software update packaging tool for improved efficiency.
- Completed multiple training sessions to enhance professional competencies.

Senior SW Developer, Nokia Oyj, Oulu, Finland

12/2008 – 02/2011

- Pioneered low-level graphics (GDI) implementations and proactive bug-fixing for S40-series.
- Engineered alpha-blending algorithms, modernising existing blitters for enhanced functionality.

Senior SW Designer, TietoEnator Oy, Oulu, Finland

03/2006 – 11/2008

- Championed pre-integration processes for Maemo, streamlining software deployment.
- Conceptualised and developed a port of QT 4.3.3 for the iPAQ 3630.
- Implemented a client-server architecture for RC-car control, enhancing user experience.

SW Designer, Nomovok Ltd, Helsinki, Finland

02/2005 – 02/2006

- Led the software development team for PIM application porting, achieving timely project delivery.
- Diagnosed and resolved bugs within existing software, improving overall system reliability.

Wireless applications/SW Designer, Wapice Ltd, Vaasa, Finland

11/2000 – 11/2004

- Integrated LWIP-stack for an industrial embedded device, enhancing connectivity options.
- Maintained and secured firewall and mail server setups, ensuring robust network protection.

Summer trainee, Vaasan Ammattioppilaitos, Vaasa, Finland

06/2000 – 07/2000

- Executed various general duties to support departmental operations.

Student/SW Designer, Vaasan Ammattikorkeakoulu, Vaasa, Finland

02/2000 – 04/2000

- Developed web-server functionalities as part of school projects, enhancing learning outcomes.

Warehouse assistant, Anttila/Oulu, Oulu, Finland

07/1998 – 08/1998

- Carried out general warehouse duties to maintain operational efficiency.

Deliverer, Oulun Jakelutoimisto, Oulu, Finland

06/1998 – 07/1998

- Delivered newspapers, ensuring timely distribution to the community.

Office Assistant, Oulun Yliopisto/Sähkötekniikan osasto, Oulu, Finland

07/1997 – 07/1997

- Performed generic lab assistant duties, supporting academic research activities.

Trainee, Oulun Yliopisto/Mikroelektroniikan laboratorio, Oulu, Finland

06/1997 – 06/1997

- Assisted with laboratory tasks, gaining valuable practical experience.

Warehouse assistant, Anttila/Oulu, Oulu, Finland

07/1995 – 07/1995

- Undertook generic warehouse assistant tasks to support operational activities.

General duties, Foto Keränen, Oulu, Finland

06/1994 – 08/1994

- Contributed to sorting and removing films from containers, facilitating workflow.

Education

Bachelor of Engineer, Electronics and Information technology, Vaasa Polytechnic, Vaasa, Finland

2001 – 2005

Laboratorian, Oulu vocational school, Oulu, Finland

1998 – 1998

Internet-course, Pohjois-Pohjanmaa vocational school, Oulu, Finland

01/1996 – 01/1996

Skills

Linux: Debian, Redhat, Ubuntu, OpenSUSE

C programming

Java programming

Assembly programming

Unix shell scripting

Perl programming

PHP programming

C++ programming

Python programming

Go programming

Dart/Flutter programming

Adaptability

Problem-solving

Team collaboration

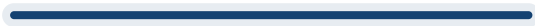
Communication

Eagerness to learn

Languages

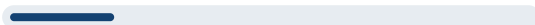
Finnish

Native



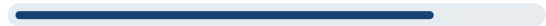
Swedish

Poor



English

Fluent



German

Weak (Currently learning)

