



# Jaku Lahtinen

Software Engineer

## CONTACT & LINKS

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- <https://jakulahtinen.fi>
- Helsinki, Finland

## LANGUAGES

- Finnish - Native
- English - Fluent

## SKILLS & TOOLS

- C# / .NET
- Visual Studio / VS Code
- Clean Architecture
- Microservices Architecture
- NextJS
- SQL
- React
- EF Core (ORM)
- CI/CD Workflows
- Git
- GitHub Actions
- REST API
- Tailwind CSS
- Codesys & IoT
- CAN
- Linux
- Agile
- AWS
- TypeScript

## ABOUT ME

I am a self-motivated and adaptable Software Engineer with a strong enthusiasm for problem-solving and continuous skill development. I quickly learn new technologies and methods, thrive in both team environments and independent work.

## EDUCATION

- |  |             |
|--|-------------|
| <b>Degree Programme in Software Engineering</b>      | 2021 - 2025 |
| South-Eastern Finland University of Applied Sciences |             |
| <b>Vehicle Body Mechanic</b>                         | 2014 - 2017 |
| South Savo Vocational College                        |             |

## WORK EXPERIENCE

### Software Engineer | Hevtec Oy | Helsinki 5.6.2025 - Present

My main focus at Hevtec Oy is on web development and integrating embedded systems such as Codesys -based displays into modern interfaces built with Next.js and React. I also participate to development of Codesys libraries and function blocks based on technical documentation, including I/O mapping and CAN message handling.

In my latest project, I developed an EV charging simulation system that models real-time charging behaviour and visualizes live metrics through an interactive tablet UI. The system also controls LED strips to simulate charging effects. This solution was showcased at Teknologia 25.

### Software Engineer Intern | South-Eastern Finland University of Applied Sciences | Mikkeli 1.5.2024 - 20.12.2024

Collaborated on a project aimed at developing an application that calculates user's electricity usage and consumption prices based on consumption files to provide the best options.

My main responsibilities in the development of the application were building the estimated counter for the back/front side, xUnit tests, building the CI pipeline, and the visual layout of the site.

**Technologies:** C# / .NET, React, TypeScript, SQL, EF Core (ORM), REST API, GIT/GitHub, CI/CD-pipelines, Azure, Azure key vault, JWT.

**Project Website:** <https://xsahko.xamk.fi/>

### Machine Operator | Mölnlycke Health Care Oy | Mikkeli 2018 - 2023

My duties included the duties of a machine operator, maintenance and driving of production machines and orientation of new employees. Product quality control.

## AWARDS

### Scholarship 2024

The criteria are rapid graduation and the thesis demonstrates an entrepreneurial attitude in its topic.

### Idea Award 2025

Idea award for the implementation of the X-Sähkö-service