

# Sebastian Molin

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*Hello,*

*My name is Sebastian and I am a freshly hatched software developer with knowledge of C#, Java, JavaScript and some C++. I have experience with prominent frameworks and libraries such as Express, React (Next), Spring Boot and .NET.*

*I am a driven individual who enjoys both learning and helping out which makes me a great team member. My main driving forces are growing as a team and creating products that I can be proud of.*

*My time as a group leader in the Swedish Armed Forces has instilled a permanent mantra in me; "The team comes first".*

*I have a strong interest in the Automotive-industry, robotics, automation and experience working in the manufacturing industry, but would love the chance to assist any company in its quest to further improve its product and processes with the aid of best in class digital tools.*



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Backend - C# - React - TypeScript - Java - C++

## **AGILE**

Scrum, Test-driven development (TDD), Behaviour Driven Development (BDD)

## **SOFTWARE DEVELOPMENT - BACKEND**

C#, .NET, Java, TypeScript, C++, Node.js, Spring Boot

## **SOFTWARE DEVELOPMENT - FRONTEND**

React, Express, Next.js, TypeScript, JavaScript

## **RUNTIME ENVIRONMENTS**

Docker, Windows, Linux

## **DATABASES**

Microsoft SQL Server, MongoDB, Redis, PostgreSQL

## **CI/CD**

Azure Pipelines, Github Actions, Vercel

## **TEST**

Xunit, Junit, Jest, Playwright, Cypress

## **TOOLS**

Git, Nginx, S3, Gherkin, Bash, PowerShell, Github Enterprise, Elasticsearch Lucene, Node-Red

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### **Contact**

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### **Address**

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# Sebastian Molin

**2025-02-06**

WinLas (intern)

**Roles:** Developer

*As an intern at WinLas AB, I have worked independently on two different but related projects. Without any prior experience, I have familiarized myself with the C# .NET environment and delivered value to the company.*

*My first project involved further developing an existing open-source project ([SpecGurka](#)), which analyzes test results and matches them with the corresponding Gherkin BDD feature files. The goal was to ultimately present these results in a format that a non-code-reading individual, such as a product owner or support personnel, could understand and utilize.*

*The second and current project involves using Gherkin to write features that test whether the WinLas application meets Open Web Application Security Project (OWASP) Application Security Verification Standard (ASVS) standards. This also includes generating and presenting living documentation using SpecGurka, which was made possible by my contributions to that project.*

**Tools:** C#, .NET, Gherkin, SpecGurka, Git, Visual Studio, Shell, Github Actions, JavaScript

**2024-2025**

Client & Personal Projects

**Roles:** Developer

[Smart Factory Sim](#): My current project. It's a C++ based simulation of how factory systems would interact with sensors and indicators. It's a true passion project for me as I love learning new things and being able to combine learning C++ with my interest for robotics and automation is spectacular. Since I don't have heavy machinery on hand to program, I am using Node-Red which is an application that lets you mock sensors for example and communicate with them through a mediator like MQTT. The end game for this project would be to integrate it with the Mini MES API, placing the Smart Factory Sim as a ISA-95 Level 1/2 application.

[Heroes of Hearthglow](#): Fullstack next webapp for the videogame Heroes of Hearthglow by Tempura Tabby.

[Mini MES API](#): Modern .NET MinimalAPI with OEE calculation. Inspired by ISA-95 Level 3 (Manufacturing Execution Systems)

**Tools:** C#, TypeScript, C++, Nextjs, React, Xunit, .NET, Git, Github Actions, Vercel

## Education

**2023-2025**

**Higher Vocational Education**

*Software Development in Java and JavaScript, Lernia, Piteå (remote)*

**2016-2017**

**Group leader, Logistics Soldier**

*Swedish Armed Forces, Trängregementet, Skövde*

## Work experience

**2018-2025**

**Machine operator and forklift operator**, Aristo AB, Falköping

**2016-2018**

**Group leader**, Swedish Armed Forces, Skövde

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