# William Rågstad

Senior Systems Engineer / Software Developer / IT-Security Specialist



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## Contact me

Reach out to me on

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## Experience

### IT-Specialist — Swedish Defence Agency — 2022 - present

Working as an IT specialist and analyst at The Department for Internet Operations of a Swedish cyber defense government agency and expert authority under the Swedish Ministry of Defence.

### Software Consultant — Willsoft — 2021

I started my own consulting company, Willsoft, providing varying IT and software development services to small and medium-sized businesses.

### Software Developer — Alex Therapeutics — 2021 - 2022

Worked as a Software Developer at Alex Therapeutics in the development of a digital KBT therapy platform for mental health. I worked with the main full-stack product (**React** frontend and **Java Spring Boot**) and **developed an internal CMS tool** aiming to simplify in-app content updates and connect language translations.

### Research Assistant — Royal Institute of Technology (KTH) — 2020 - 2023

Contributed to the Miking research project as part of the **core compiler backend team** led by David Broman as an **undergraduate student**. I developed the compiler to extend the application domain to include **web browser and native JavaScript execution environments**.

### Teaching Assistant — Royal Institute of Technology (KTH) — 2019 - 2023

Working as a teaching assistant in: Ethical Hacking, Programming Paradigms, Programming II, Network Programming, Operating Systems, Interaction Programming, Introduction to Java,

### Full-Stack — Connected Minds — 2019

Consulting Full-Stack Developer at **Connected Minds** a Swedish consulting company. I worked on the official website using **React** and **Node.js** and integrated a **CMS** for easy updates. Experience with **UI/UX design**, **SEO optimization** and **Google Analytics**.

### Systems Engineer — Fairyscope — 2017

Consultant at Fairyscope, a Swedish startup that developed a mobile app and cloud service for sharing information at exhibitions and trade fairs. I developed **backend** systems and **APIs** for generating custom stylized QR codes and managing user data.

### Software Developer — Mjukvarufabriken — 2016 - 2019

First programming job at **Mjukvarufabriken** as a Junior Developer. I worked on a mobile app in **C#** and **ASP.NET** for **HEAB** to make routine vehicle inspections easier. As well as other software systems engineering-related work.

## Education

### Bachelor of Science

Royal Institute of Technology (KTH)

2019 - 2024

Studying **Computer Science** and Engineering at the Department of the School of Electrical Engineering and Computer Science (EECS).

### Part-time

Örebro University (ORU)

2017 - 2019

**Studied on masters level** in Computer Science at **Örebro University** **in parallel with High School**. Courses included: **Algorithms and Data Structures**, **Software Engineering**, **Operating Systems**, **Computer Networks**, and **Mathematics**.
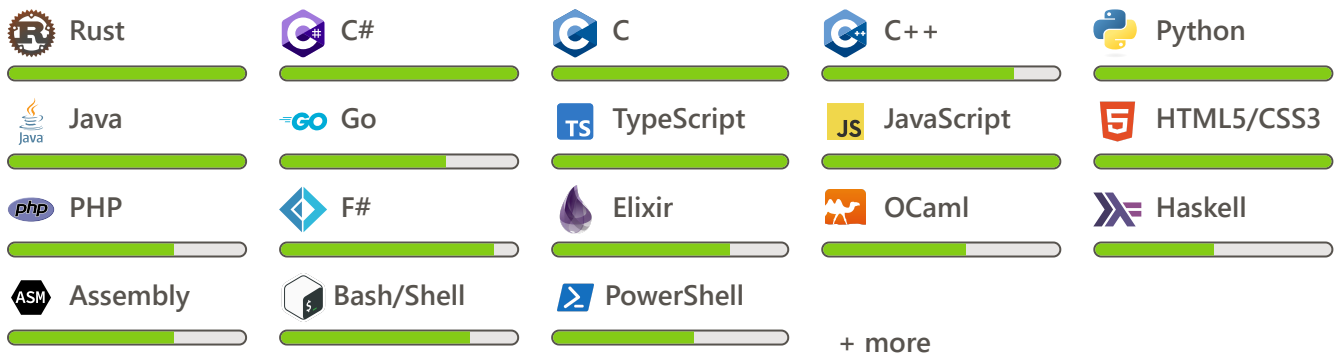
## Skills

### Natural Languages

SE Swedish

US English

+ 2 more

### Programming Languages

| Rust | C# | C | C++ | Python |
| Java | Go | TypeScript | JavaScript | HTML5/CSS3 |
| PHP | F# | Elixir | OCaml | Haskell |
| Assembly | Bash/Shell | PowerShell | | |

+ more

## Projects

I have created many projects, including **Programming Languages**, **Websites**, **Games**, **Tools & Libraries**, **Research**, and **much more**. View some of my featured projects and contributions below.

Check out **all of my projects** at **github.com/WilliamRagstad** and **williamr.dev/projects**.

View my full resume at: **williamr.dev/resume**.