

# Erik Thorsell

Automating everything and taking DevOps to the masses

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## Experience

Nov '21–present



**DevOps Consultant**, Zool Engineering, Gothenburg.

My role at Zool Engineering is to help our customers think *Beyond DevOps*. Instead of bringing Tools X, Y & Z to a project, thinking they will solve all problems, I work with *Change Management* to ensure our customers' teams adopt an *Agile Way of Working* that nourishes *Continuous Improvement*. Only together with these changes in mind, do we start looking at what tool chain will enable *Continuous Integration, Delivery and Deployment* of the product catalog, and by extension help each customer reach their functionality, quality, and delivery goals.

Nov '21–present **DevOps Engineer**, KGH Customs Services

Together with one more colleague from Zool, I am responsible for the build, test, and delivery machinery at KGH Customs Services. We bridge the gap between Dev and Ops by fostering a DevOps culture, helping KGH deliver higher quality software, more frequently, with less effort.

Jul '20–Nov '21



**Team Facilitator, Ambassador and Line Manager**, Ericsson (Packet Core), Gothenburg.

I started my time at Ericsson (as a consultant) developing the automated deployment pipelines that are the project's core products. Already as a consultant, I became an Ericsson Ambassador and University contact for Chalmers' Computer Science division. As the project grew I took a Team Lead role and was part of a global workgroup that shaped and deployed the new *Team Facilitator* role within Ericsson Packet Core. My last time at Ericsson, I held the role as acting Line Manager.

Jun '21–Nov '21 **Line Manager (Acting)**

As acting Line Manager for the Packet Core Continuous Delivery and Deployment project, I have gotten invaluable insight in what it takes to lead a multi-team organization. Recruitment, change management, and coaching team members in their careers, are a handful of things I have dealt with.

Jul '20–Jun '21 **Team Facilitator**

As a Team Facilitator, I was responsible for the performance of the project's XFTs. I coached the teams in agile principles and helped them perform at their highest level. My goal was to imbue the DevOps mindset in the project and the developers I worked with. Being one of the most senior people in the project, I remained involved in architectural/design decisions for our different deployment pipelines. I used any free time I had to continue to develop our internal CI/CDD process and stay up to date with the technical aspects of our products.

Jun '18–Jul '20



**Software and Business Area Developer**, HiQ, Gothenburg.

In addition to my regular assignments (listed below), I was responsible for HiQ's CI/CDD and AI/ML business areas. I held internal workshops on the topics and acted as advisor for our sales department.

May '19–Jul '20 **Software Engineer**, Ericsson (Packet Core), Gothenburg

I was part of the first team within Packet Core's Continuous Delivery & Deployment (CDD) project. CDD is used to automate the upgrade procedure of Packet Cores' network functions, ensuring critical telecom infrastructure receive up-to-date software. Due to the small size of the project, I took part in all aspects of the product design, development and testing.

Jun '18–May '19 **Software Developer**, Volvo GTT, Gothenburg

I was part of the Vehicle Automation group and helped Volvo GTT take the next step for automated trucks, buses, and construction equipment. My team — Transport Missions and Route Management — was tasked with fleet management, planning, and communication with the autonomous vehicles. At VA I developed the Continuous Integration (CI) tool chain for the Java (and some C++) based products in the project.

Sep '17–Dec '17



**Machine Learning Engineer**, Machine Intelligence Sweden, Gothenburg.

Worked with the product Science Router, a search engine to enable companies and researchers to find competence in accordance to their needs. I was involved in all steps of the product development but focused mostly on data aggregation, using Python to interact with publication sites' APIs. I was also responsible for parsing all articles into a unified format, to be stored and used for algorithm training.

Summer 2016 **Intern, NASA, NVI Inc., Greenbelt, MD.**



During a 10 week internship at Goddard Space Flight Center I worked alongside two other interns on two software projects. Our work resulted in a new way for the VLBI groups all over the world to calculate slewing models for their antennas.

**Link to work:** [https://github.com/ErikThorsell/GSFC\\_Internship](https://github.com/ErikThorsell/GSFC_Internship)

## Education

Aug '13–Jun '18



**BSc, MSc, MScEng, Computer Science**, Chalmers University of Technology, Gothenburg.

I hold a BSc and an MScEng in computer science and engineering. My MSc concerned *Computer Science, Algorithms, Languages and Logic* and I concentrated my studies to machine learning, artificial intelligence and optimisation.

**Theses:** BSc: <http://bit.ly/2g04d3q> & MSc: <https://bit.ly/2tHBCZD>

Aug '11–Jun '12

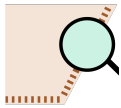


**Team Training School West (TTS)**, Dalkarlså Community College, Dalkarlså.

A theological education with emphasis on leadership. Not only did the education cast light upon the complexity that comes with organizing a large community, I also got a better understanding of the importance of structuring my own everyday work.

## Projects, Tools and Languages worth highlighting

**Kaffefiltret.se**



I develop and host Kaffefiltret.se, a single page micro service application for finding your next favorite specialty coffee. The application utilizes tools listed in this resumé, such as: Docker, Python, Type-Script and Svelte.

**Micro Services**



Designing your application according to a loosely-coupled architecture with well defined interfaces is crucial for ensuring developer productivity and safety. During my time at Volvo VA I was part of a team that designed a micro service Control Tower application from scratch.

**GitLab CI**



Took part in migrating the CDD project at Ericsson from gerrit + Jenkins to Git-Lab CI. Also shared the responsibility for the overall CI/CDD alongside my TF obligations.

**Jenkins**



Experience creating pipelines for building and testing applications written in Java, Python, Javascript, and C++. I also have experience with JCasC as well as hosting Jenkins and its agents in Docker swarm.

**GitHub (Actions)**



I have used GitHub for all my personal projects and lately I have also started tinkering with GitHub Actions. It is important to maintain high quality code and good testing/deployment routines, not only for my professional code, but for my personal projects too.

**Spinnaker**



An open source orchestration tool that we used, in the CDD Project at Ericsson, to deploy software in customers' networks. I have used various kinds of Spinnaker Pipelines and have experience integrating with the Spinnaker API.

**Docker**



Used both professionally and for personal projects. I used Docker when I setup the CI/CDD tool chain at VA, to allow for versatile deployments and ease of maintenance, and at Ericsson we used docker for GitLab Runners.

**Version Control**



Version Control is key. I have spent a lot of time thinking about and implementing version control at different companies. For versioning source code, I use git. When versioning binaries I have mostly used Artifactory.

**Python**



Unless there's a good reason to pick something else, I will pick Python. I have used Python at most of the places where I have worked, e.g: NASA, MIS, Volvo & Ericsson. Python is also the most commonly used language for my personal projects.

**Svelte**



I chose Svelte as the framework for Kaffefiltret.se because I was intrigued by the component approach and lack of virtual DOM. I find Svelte to be very intuitive and a good framework for small web applications. Check out Är Det Helgdag?

**TypeScript**

When developing web applications I tend to steer away from vanilla JavaScript and opt for TypeScript. I find the typing gives me better control and increases my ability to debug and write high quality code.

**Golang**

During 2020's Advent of Code I decided to *not* use Python and attempt to get onto the leaderboards. Instead, I opted to learn something new → Golang. I really liked it and would like to work more with the language.

**Key interests**

DevOps | Improvement of Daily Work | Automation | FOSS/Open Source | Transparency  
Continuous Integration and Deployment | Agile | Continual Learning | ☕ 🏃 🧑