

# Erik Thorsell

Automating everything and taking DevOps to the masses

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## Experience

Jul '20–present



**Team Facilitator 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. Thereafter 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. At the moment I hold the role of acting Line Manager.

Jun '21–present **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 2017



**SW Development and Operations**, Volvo Cars, Gothenburg.

Was selected to be part of Volvo Cars' Engineering Student Concept (VESC) Programme. As part of the "tools team" (the tools were mainly Jenkins, Batch, Python and Matlab), I helped maintain and develop the in house "Software Factory" (SF). During the summer I, among other things, converted the Jenkins part of the SF to Declarative Pipelines and automated a series of tasks, freeing up hours for the developers.

Oct '16–Apr '17



**SW / FW Developer**, NEVS, Trollhättan.

Along side my master studies I worked for National Electronic Vehicle Sweden. My work was conducted at the SW/FW department and was concerned mostly with BMS modelling, and visualization of said models. During this period I developed a GUI for such a BMS-model, using Matlab GUIDE.

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

**CHALMERS**  
UNIVERSITY OF TECHNOLOGY

**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

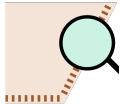
Dalkarlså  
folkhögskola

**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, TypeScript 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 GitLab 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 | ☕ 🏃 📺