

# Erik Thorsell

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*DevOps; when Ops enables Dev to take complete ownership of their services.*

## Experience

Nov '21–present **DevOps Consultant**, Zool Engineering, Gothenburg.



I work with companies to reduce the lead time of their value streams and deliver higher quality features more frequently. Together with the companies' teams, we consider all aspects of software development. From architecture, implementation, testing and product deployment, to the organizational structure and way of working; always focusing on increasing the value that the companies bring to their customers.

Nov '21–present **DevOps Transformation Leader**, KGH Customs Services

I work with KGH to transform their software suite to a cloud native offering. We reconsider architectural decisions, restructure the way the organization works, and most importantly help the operations and development teams understand how to collaborate more efficiently to increase the speed of feature deliveries and quality of the software.

Jul '20–Nov '21 **Team Facilitator, Ambassador and Line Manager**, Ericsson (Packet Core), Gothenburg.



I started my time at Ericsson (as a consultant, see below) developing the automated deployment pipelines that constitutes the project's core products. Soon I also 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 workgroup that shaped and deployed the new *Team Facilitator* role within Ericsson Packet Core, globally. I spent my last six months at Ericsson 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 gained invaluable insight in what it takes to lead a multi-team organization with team members from all over the world. During my relatively short stint, I had the opportunity to dabble with recruitment, change management, and coaching team members in their careers.

Jul '20–Jun '21 **Team Facilitator**

As 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 customer commitments 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

Took part in starting up the development phase of 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. I was involved in product design, development, testing and the developing the build pipeline for the product.

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 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 for connecting industry and research. I was involved in all steps of the product development but focused mainly on data aggregation and 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 on 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. I also have an MSc in *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

**Terraform**



In the same way that it's crucial to have build and deployment pipelines to swiftly test and deploy software, Infrastructure as Code is key to enable fast and reliable deployments of *environments*. My IaC tool of choice is Terraform.

**Azure**



Out of the big CSPs, I have predominantly worked with Azure. I have experience deploying infrastructure using Terraform, the most complex being a private Azure Kubernetes Service (AKS) with a jump host VM to allow for break glass access to the API Server.

**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 Team Facilitator obligations.

**GitHub (Actions)**



I have been using GitHub for almost 10 years, both for personal and professional projects. As part of my collaboration with KGH, I helped migrate projects from Azure DevOps to GitHub.

**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 just really like the language and for my use cases (mostly scripting or non-performance critical projects) Python is great.

**Svelte**



I wanted to learn web programming and thought Svelte seemed cool. For a while, I hosted a specialty coffee search/filter engine called [kaffefiltret.se](https://kaffefiltret.se) and the frontend of the project is written using Svelte. The project is no longer online, but the source code can be found [HERE](#).

**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.

**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.

**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.

**Key interests**

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