





Tobias Skarhed

I am an enthusiastic engineering physics and electrical engineering student, with a software engineering background. I care about my colleagues and want to help them succeed, which is one of my greatest motivators.

 tobias.skarhed@novatalent.net
 <https://skarhed.com>
 <https://github.com/tskarhed>
 <https://www.linkedin.com/in/skarhed/>

Skills

Programming

HTML/CSS (8)

Typescript (3)

Python (1)

Java (1)

Frameworks

React (2)

Jest (2)

Cypress (1)

Webpack (1)

Tools

Grafana (2)

Docker (2)

Prometheus (1)

Elasticsearch (1)

Logstash (1)

Languages

Swedish (Mother tongue)

English (Professional)

Experience

Technical Student 2022-2023

CERN, European Organisation for Nuclear Research

Software engineering internship in the department for Machine Protection and Electrical Integrity. Worked on systems that monitored critical safety systems in the particle accelerators.

- Used an internal platform (UCAP) to build a data processing pipeline in Java, which monitors the Beam Interlock System. Python and web based GUIs were also developed to display the data.
- Maintained a monitoring solution for the team's applications, based on the ELK (Elasticsearch, Logstash, Kibana) stack in combination with Redis and Grafana.

Front End Developer & Co-founder 2016-2017

Wopify

I co-founded a job-matching company Wopify and worked as their Front End Developer.

- Built the front end architecture, which included accessibility and internationalization
- Built the proof of concept matching system with NLP. The solution was based on tf-idf with cosine similarity.
- Learned the basics of software engineering, project management, design systems and NLP.

Software Engineer Intern 2018-2021

Grafana Labs

Intern during summers 2018, 2019, full-time during spring 2020 and summer 2021.

- Main developer for the Grafana UI package which is served to hundreds of plugin developers via npm and [Storybook](#).
- Main developer for the accessibility project, working with WCAG standards and a11y compliance for stakeholders such as Microsoft and Google.
- Migration of Angular components to React.
- Troubleshooting misc. issues with Prometheus, AWS Cloudwatch, InfluxDB and Elasticsearch

Awards

Trainhack 2019

Winning Team

My team of four developed an app that calculates alternate routes from every train stop along the original route. I was one of the Front End Developers.

Education

Engineering Physics 2020-2022

Bachelor's Program

Luleå University of Technology

The diverse fields of study includes programming, mechanics, electronics, control engineering, quantum physics, optics and basic signal processing.