

# Viktor Kalajo

Senior Full-Stack Software Engineer, Stockholm

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With 12+ years of professional web development experience, I create products that deliver real value to users and stakeholders. I thrive in end-to-end involvement, from defining business goals and user needs to shaping UX, architecture, and writing the code.

## Summary of Qualifications

- Over 12 years of full-stack web development experience, specializing in TypeScript, React, and Node.js.
- Proven track record in architecting and delivering large-scale applications, successfully leading projects from proof of concept to production.
- Expertise in data storage and processing solutions including PostgreSQL, Elasticsearch, Kafka and Redis.
- Proficient in CI/CD implementation with a focus on automated testing for robust deployment pipelines.

## Latest projects

### SVT Astrid

Full-stack, Q1 2020 – present

As a core developer of Astrid, the publishing platform for SVT News and Sports, I played a key role in shaping its architecture and driving it from proof of concept to production. My involvement spanned the entire development lifecycle—from defining goals to collaborating on UX and writing code.

Astrid powers one of Sweden's largest news sites, [svt.se](https://svt.se), as well as the SVT Nyheter and SVT Sport apps. The platform has around 400 editors, reaching millions of unique weekly readers with articles and feeds.

One of the major technical challenges was enabling real-time collaboration among editors on articles and feeds. We solved this by implementing an event-driven architecture, which supports seamless and concurrent editing.

Working with a highly autonomous team of eight, we built a system that received wide praise throughout the organization for its

reliability and usability.

TYPESCRIPT | REACT | NODE | EVENT-DRIVEN ARCHITECTURE | KAFKA | ELASTICSEARCH | POSTGRESQL |  
REDIS | CQRS | GITLAB CI/CD | REAL-TIME COLLABORATIVE EDITING | MONITORING |  
AUTOMATED TESTING | MOB-PROGRAMMING | AGILE

## **SVT Direktcenter**

Full-stack, Q1 2019 – Q1 2020

Direktcenter is a versatile CMS designed for creating real-time news streams, chats, and more. It's widely used within SVT for both News and Play content, supporting live, interactive features that enhance viewer engagement.

Additionally, Direktcenter serves as the backup CMS for SVT Nyheter, ensuring news delivery when the primary system is down. Built for scale, it can support up to one million concurrent readers, delivering live updates within milliseconds.

JAVASCRIPT | REACT | NODE | POSTGRESQL | GOOGLE FIRESTORE | EXPRESS | HEROKU | GITLAB CI/CD |  
MOB-PROGRAMMING

## **SVT Sport**

Front-end developer, Q3 2014 – Q1 2019 (periodically)

SVT site for sport news, svt.se/sport. Isomorphic/universal SPA built using React, Node and Express. High demands on performance and accessibility with ~500k unique visitors per week.

REACT | NODE | GRAPHQL | EXPRESS | HEROKU | GITLAB CI/CD | WEBPACK | MONGODB | REDIS |  
UNIVERSAL/SSR | AKAMAI

## **Akademibokhandeln (via Creuna)**

Lead front-end developer, Q2 2017 – Q1 2018

E-commerce site for one of Sweden's largest bookstores akademibokhandeln.se.

PYTHON | DJANGO | REACT | POSTGRESQL | HEROKU | ELASTICSEARCH | REDIS | DOCKER

## **Education**

### **KTH Royal Institute of Technology**

Q3 2008 – Q4 2013

Master of Science in Software Design and Industrial Economics and Management at KTH Royal Institute of Technology.