

TITLE INTERNSHIP: CentralPoint

2-LINER description: *Build a lightweight single-sign-on-application that can support both username + password as social media log ins (Facebook, LinkedIn, GitHub, Google, ...). This central SSO application will centrally authenticate the microservices-based intranet landscape of ToThePoint.*

EXTRA INFO:

- Description of the task
 - Within ToThePoint we use a whole array of applications (self-contained systems) that are all integrated with the frontend and are supported within our ToThePoint intranet
 - These applications will all use their own authentication procedure with standard username and password. We want those applications to handle the authentication through a single-sign-on platform so we can enhance the user experience and also differentiate between users within our multiple applications.
 - Your main assignment during this internship will be the creation of a lightweight authentication-platform (both design and development), from which both log in methods are supported.
 - This platform should also be self-contained.
- Goals
 - Functional analysis
 - Design of a responsive UI
 - Development of both backend and frontend following the self-contained systems architecture (Take note of Stefan Tilkov's talk about SCS on <http://scs-architecture.org>)
 - The creation of a continuous deployment pipeline.
 - Deployment with Docker on a Google cloud-hosted Kubernetes cluster
- What will you learn?
 - You will experience how to design, develop and put in production an end-to-end enterprise-grade production-ready web application.
 - You will gain knowledge and experience in Docker
 - Real-world knowledge about and experience with Kubernetes and Google Cloud
 - That lovely feeling you get knowing your design will be used in production
- What do you need?
 - You have a shown interest in a challenging but very educational assignment
 - You have basic knowledge of Java and have an eagerness to learn Spring Boot (from us)
 - You are curious to use Vue.JS to build a responsive UI with
 - You can't wait to learn a heck of a lot in a relative limited time period.
- Location of your assignment:
 - Veldkant 33B, 2550 Kontich
- Your mentor during the assignment
 - Steven Heyninck – Business Unit Manager ToThePoint
- Technologies you will be using
 - Java
 - Spring Boot
 - Spring Security
 - OAuth2
 - OpenID Connect
 - Docker
 - Kubernetes
 - Google Cloud