

PointInTime – management of upcoming events and registrations

2-LINER description: Analyze and build a web application that is a part of the ToThePoint intranet, on which we can manage upcoming events and registrations.

[Description of the assignment]

- At ToThePoint we regularly host events. Whether they are a next meetup (e.g. VueJS Antwerp) or a monthly knowledge sharing session, conference or hackaton, ... They all share similar properties (such as location, date and time, optional subjects, speakers, ...) and typically they require registrations because the possible number of attendees is limited.
- Organizing such events is generally done in multiple steps. For example, the booking of a location has multiple possibilities (possibly based on pricing, size of the venue or number of attendees, ...) until finally one can be picked.
- Your assignment will be the creation of an application on which we can organize and manage the events during their lifecycle.

[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 gain?]

- 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 with Docker
- You will gain real-life knowledge and experience with Kubernetes and google Cloud
- That lovely feeling you get knowing your design will be used in production

[What do you need?]

- Interest in a challenging but informative assignment
- Basic knowledge of Java (and optionally Spring Boot or the will to learn)
- You like to learn about big data and stream processing
- 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 relatively limited time period.

[Your mentor]

- Steven Heyninck – Business unit manager ToThePoint

[Location of your assignment]

- Veldkant 33B, 2550 Kontich

[Technologies you will be using]

- Java
- Spring Boot
- VueJS
- Docker
- Kubernetes
- Google Cloud
- Kafka