



Telecommunication

Development of an online shop

For a globally operating, highly profitable telecommunication corporation, comSysto is developing an online shop for new customers. The strategic realignment of the company, the constantly growing portal landscape and the increased requirements for the user experience require revising additional components of the front end.

Requirements

- Distribution into independent deployable units for improved scaling, reusability, and increased maintenance capabilities
- Transparent session handling in the cluster
- Individual scalability of the individual components
- Failover and rolling deployments without downtime or data loss

Technologies

- Core: Java 8, Spring 4, JUnit, Tomcat
- Web: Wicket, AngularJS, Spring Web MVC
- Communication: REST, RabbitMQ
- Persistence: Hibernate, Oracle, Redis

Procedures and Methods

- Implementation using several single-page applications in the front end
- Implementation of typical functionalities in an online shop
- Implementation of a highly-dynamic product configurator
- Integration of multiple third-party systems for order processing, inventory management, CRM, CMS, and diverse partner portals
- Back office applications for the configuration of the products offered and the functionality of the online shop
- Batch job: Preparation of the data to improve the performance and decoupling
- Quality assurance: Checking each increment of a component with automated and explorative tests before deployment