

Certificate

Alexander Rudorf

has taken part in the following GFU-training course from 2018-07-09 to 2018-07-10:

"RESTful Web Services with Java (JAX-RS)"

Trainer: Oliver Schell

Topics:

- **REST introduction**
 - What is REST?
 - The story of REST
 - Benefits of REST
 - SOAP vs. REST
- **REST basics**
 - Resources (URI, URL)
 - verbs (GET, POST, ...)
 - representations
 - (XML, JSON, ...)
- **REST architecture**
 - Architectural models (ROA, WOA, SOA)
 - Enterprise REST
 - REST documentation about WADL
- **REST in the Java environment**
 - Java API for RESTful Web Services (JAX-WS)
 - Reference implementations (Jersey)
 - Versions, installation and development environment
- **Implement REST with Java**
 - JAX-RS annotations
 - JAX-RS service
 - JAX-RS service deployment
 - JAX-RS Client
 - JAX-RS and WADL
- **RESTful application scenarios**
 - Integration Scenarios
 - RESTful in the browser (Java Script, HTML)
 - RESTful and Mobile (Android)
 - RESTful in the cloud (Google App Engine)
- **RESTful advanced topics**
 - security
 - Sessions and scalability
 - caching and performance