

Anton Bobov

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Summary

- 13 years in Java/Web development
- Experience with service oriented architecture (REST, SOAP)
- Strong database skills (PostgreSQL, Oracle)
- Practical knowledge of physical and logical data modeling, performance tuning
- Excellent knowledge of XML technologies
- Experience with GIS

Skills

Languages: Java, SQL, Python, JavaScript, bash

Technologies: Spring, JPA, REST, Microservice, XML, JMS, JDBC

Other: GIS, PostgreSQL, Oracle DB, TDD, Linux, Windows

Experience

2019–today, Java Developer, OCRV ocrv.ru

Spring, PostgreSQL, GIS, Microservice

2016–2020, Java Developer, RusGIS rusgis.rt.ru

Spring, PostgreSQL, GIS, Microservice

- Responsible for the development from the architectural solution to the final implementations of the business services.
- Experience with vector and raster spatial data, 3D (CityGML).
- Data classification and interpolation.
- Different routing services and graph analysis using the pgRouting.
- Developed policy based access control system.

2015–2016, Java Developer, Freelance

Spring, PostgreSQL, Solr, Backbone

- Working as full stack developer. Mostly web based applications with Spring MVC as back end and Backbone or Angular as a front end.
- Updating applications for new functional requirements.

2007–2015, Java Developer, Siberian Scientific and Analytical Center

JSP, Servlet, Oracle, SOAP, Full stack

- Developed a web based data warehouse applications (DWA). Application allow user to create and change model in runtime. Deployed and supported state level information system (based on set of DWA) which accumulate data for that state (oil and gas production, forest fires dynamics, city buildings, hospitals equipment, car incidents and lot of other). Implemented data access and business layers. Data access implemented using JDBC.
- Designed and implemented overall architecture of application attributes search and result representation. Implemented file recognition (OCR, PDF, MS Office and other text formats) and context search (Apache Lucien and Solr).
- Developed comprehensive security rules. Implemented integration with LDAP.
- Developed data import and export mechanisms using XML, MS Office and data specific formats. Data can be imported (exported) from (to) file system, REST or SOAP web service.
- Developed parsers from different formats (HTML, MS Office, PDF, structured plain text), XSL transformations and data preparation before importing.
- Implemented reports system based on Jasper Reports.
- The presentation layer was developed using JSP's and servlets (MVC architecture), JavaScript (a lot of jQuery), HTML, CSS. Have experience with web optimization of images (formats, CSS sprites), JavaScript and CSS minify.
- Created requirements and WSDL for integration with other systems. Developed web based data requirement creation application where user can describe data and then generate WSDL for data providers (using Spring, Hibernate, Freemarker, ExtJS). Integrated with 30+ systems: public API, existed web service, developed based on provided WSDL.
- Experienced with Oracle Service Bus: message type transformation (REST business service to SOAP proxy service), caching, data transformation, web service routing, call chains of multiple services, Java Callout.
- Designed and developed scripting support. Scripts are: calculate objects attributes, make custom validation, change business process rules. Implemented with Java Scripting API (JavaScript as script language), also used Mozilla Rhino JS for script analysis and dependency evaluation.
- Developed background tasks using multithreading: attribute calculation, import and export job scheduling, system maintains. Using Java concurrency API.
- Developed cache support and transparent cache invalidation.
- Added support for running application on cluster.
- Designed and developed database version and migration mechanism. Then updating application database version check and upgrade a lot easier.
- Adopted application to run on JBoss and WebLogic Server, initially it deployed only on Oracle Application Server.
- Created Ant build script which build and deploy EAR to application server (OC4J, JBoss, WebLogic). Build script take profile name and build application with required: database, security rules, configuration file.
- Experienced with SQL optimizations.
- Experienced with debugging and troubleshooting.

- Worked with Spring framework (Spring Core, Sprint Web, Spring Data, Spring Security), Hibernate (JPA, full text search).

2006–2007, Developer, NetworkProfi

- Developed proxy application. Proxy allow to monitor and block web, email and IM traffic. Application was written using Delphi and run as Windows service.

Education

2002–2008, MS in Computer Science, State University, Tyumen