Tatiana Didik
Consultant Developer

Expertise
- Java
- Databases (SQL)

Industries
- Taxi Industry

Qualifications
- BS Applied Math & Information Technology
- MS Applied Math & Information Technology
- Oracle Certified Software Associate & Programmer (Java 7)

Languages
- English (Advanced)
- Russian (Native)
- French (Intermediate)
- Japanese (Elementary)

Profile

A passionate back-end developer, a team-worker, who undertakes complex assignments, meets tight deadlines and delivers great performance. Result- and quality-oriented specialist, open to new technologies and business challenges. Experienced in development, UAT, Go Live, support / maintenance, and multi-customer shift stages of a SaaS project.

Experience

Jenkins – Sonar-Gerrit plugin - open-source project contributor (since Oct-2015)
Developed, documented and maintained a plugin for Jenkins, allowing to ease a burden of code review process for lead developers by automatizing of part of the process. The plugin posts static code analysis (SonarQube) report data as a part of a review to a review tool (Gerrit). Various settings allow to set up the process, so a lead developer is not required to see the code until all the trivial issues found by the static code analysis tool up to desired level are fixed. Thus, the reviewer can concentrate his (or her) attention on the logic of the code but not the trivial problems. It is currently downloaded more than 1100 times and used on software development projects worldwide.
Technologies: Jenkins, SonarQube, Gerrit, Maven

Magenta Technology – Software Developer (May-2010 to June-2014)

Project: **Echo**

/Echo is a Microsoft Gold Partner award winning taxi dispatch enterprise software covering whole taxi company business process from booking and scheduling to employee management/

Along with system analyst and a junior software developer, developed a module for driver salary processing, allowing authorized users to generate configurable payment reports automatically or semi-manually, close a payment period or reopen it for amendments (until it is processed by a bank system). The report's content is fully configurable from the Java Swing based UI.

Implemented a module for dynamic delay calculation allowing customers to get up-to-date information regarding their taxi's arrival time, and taxi company to improve their performance by rescheduling related rides according to this information. This module is a part of the award-winning scheduling and auto-allocating features.

Developed a template module allowing partnering with external taxi aggregators used by corporate accounts and composing about 20% of corporate bookings in total.

Implemented an integration with One Transport taxi consolidator using SOAP web protocol now supplying businesses powered by Echo with thousands of cars monthly (the

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integration is based on the previously mentioned module).

Contributed into system redesign allowing partnering companies such as greentomatocars and Trident Niven to share their resources and employees. This partnership allowed the companies to decrease by 13% the out-sourcing of spilling-over bookings.

Was involved in functional specification design for mentioned above modules along with business analyst.

Developed a mechanism allowing locating of UI memory leaks (unnecessary allocation of huge amounts of memory) automatically using Test Complete to emulate highly loaded use of the application and perform heap dump generation when necessary. After detailed heap dump analysis with JProfiler, added a mechanism for destroying circular links, preventing Java garbage collector from reclaiming unused objects, that dramatically reduced RAM allocation by the application.

Invented a mechanism allowing highlighting of editable fields in accordance with input validation needs.

Was in charge for the whole project's Java Swing UI framework used for back-end application.

Technologies: Java, Apache Maven, SQL Server, Hibernate, JBoss, JIRA, SVN, TeamCity, Liquibase, Velocity, JasperReports, Java Swing UI, JProfiler, TestComplete, SOAP

Competencies

Tools	IntelliJ IDEA, TeamCity, Jenkins, JIRA, SVN, git, Maven
Methodologies	Continuous Integration, Unit Testing
Frameworks	Hibernate, Spring, Swing UI
3GL Languages	Java, C#
Databases	SQL Server, MySQL, Oracle
Operating Systems	Microsoft Windows, OSX
IDE	IntelliJ IDEA