Łukasz Kusek

curriculum vitae

http://geomap.biz/lukasz-kusek
https://github.com/lukasz-kusek

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SKILLS

★★★★☆	★★★☆☆	★★☆☆☆	★☆☆☆☆
JUnit	**Java SE 8**	Apache Wicket	**vert.x**
Mockito	**Spring Framework**	XStream	**Guice**
PowerMock	**- Core**	**AspectJ**	mustache (clostache)
AssertJ	**- Beans**	**Clojure**	MyBatis
Guava	- MVC	Noir	
Log4j	**- ORM**	**Apache Camel**	
SLF4J	**- Test**		
	- AOP		
	Hibernate		
	Apache Commons		

Methodologies	**Agile**, **XP** (**TDD**, **Refactoring**, **Code Review**, **CI**), **Scrum**
Technologies	SOA, **SOAP**, Web Services
Other lang.	**XML**, **XML Schema**, **XSLT**, **XPath**, **LaTeX**, **SQL**, **bash**
Tools	**Intellij Idea**, **Maven**, **SVN**, **Git**, **XMLSpy**, **JIRA**, GreenHopper, **Crucible**, **Jenkins** (FindBugs, PMD, Cobertura), **TeamCity**, Leiningen
Application servers	**JBoss Application Server**
Web containers	Apache Tomcat, **Jetty**
Databases	MySQL, **Oracle 11g**, **MongoDB**
	(***bold text*** - *used in the last 3 months*)

PROFESSIONAL EXPERIENCE

2011 –	**Senior Java Developer (Java Developer Contributor 07.2011 - 05.2012, Team Leader 09.2012 - 05.2013)**, *Sabre Holdings (www.sabre.pl)*, Cracow.

• Introduced multiple improvements like: automated configuration diffs run by Jenkins, a shared configuration to omit files duplicates, best practices developers meetings, an usage of a pre tested commit, a local SVN slave to speed up read only operations, a global Maven's parent POM for dependencies management and plugins management, an unified configuration API as an abstraction over a configuration source (file, DB, JMX), RESTful monitoring application giving posibility for QAs to test aspects which were not testable before.

• Developed a fully functional application which integrates traveler's Facebook account with a profile stored in Sabre's Customer Profiles. It was done during the HackDay 2013 contest. The application was written in a Clojure.

• Successfully developed within 24 hours a 'proof of concept' application for the Hack-Day 2012 contest. The idea of the project was to introduce the idea of social media to the world of aviation. The application was written in a Clojure which none of team members didn't know before the contest. The project won the audience award. As a followup of the contest the application has been presented to Sabre's marketing team and it occurred that one of the major Sabre's customer is interested in buying the application. As a preparation for next steps I've worked on improving the application.

• Successfully finished a cost saving project before required deadline. Firstly as a team member, then since 2012 as a team leader. The project was the migration over 30 major airlines using the system between the legacy system (based on HP NonStop Kernel) to the current system. The project was very challenging due to multiple dependencies (Sabre's internal systems, customer's systems), no downtime requirement, big amount of user data (data of 30M+ passengers of airlines), pressure of time, little documentation of the legacy system and all of it's functionalities.

• Developed a library for comparing XMLs. What makes this library different from the other libraries of this type is the possibility of comparing XMLs ignoring the sequence of the elements of the same type. This is very useful if the elements of the same type in an XML represent elements of a set, and the sequence of the elements returned by the system is irrelevant. I've narrowed the problem to an assignment problem and used one of bipartite graph algorithms to solve the root problem.

Projects:

• *Kraken* - an application enabling communication between the passengers of a given flight

Technologies: **Clojure**, **Noir**, **FleetDB**, **Leiningen**, **Backbone.js**, **jQuery Mobile**, **REST**, **JSON**

• *XMLDiff* - a library for comparing XMLs

Technologies: **Java 1.6**, **XSLT**, **Guava**, **Maven**, **an algorithm for solving the assignment problem**

• *Profiles Data Migrator* - an application supporting the migration of data of 30M+ passengers of airlines from the existing server to the new generation system

Technologies: **Java 1.6 (multithreading)**, **Wicket**, **Spring**, **Hibernate**, **Guava**, **AspectJ**, **JUnit**, **Mockito**, **Fest**, **Maven**, **MySQL**, **HSQLDB**

• *Customer Profiles* - the fundamental platform for Sabre's internal applications and external clients used to store, process, validate and provide profiles of airline passengers

Technologies: **Java 1.7**, **Spring**, **Hibernate**, **MyBatis**, **Camel**, **XSLT**, **XPath**, **XML**, **XML Schema**, **Guava**, **Commons**, **JUnit**, **Mockito**, **Fest**, **Maven**, **Oracle**

2010 – 2011 **Java developer**, *Sylogic (www.sylogic.pl)*, Warsaw.
• Developed web applications included below. I took a part of whole process of creating application (gathering requirements, analysis, designing, developing and deployment)

Projects:

• *Raporty (Reports)* - an application for post-training reports (questionnaires and knowledge tests)

Technologies: **Java 1.6**, **Wicket**, **Spring**, **Hibernate**, **Maven**

• *Zlecenia (Tasks)* - a system for comprehensive services in terms of traditional training courses

Technologies: **Java 1.6**, **JSF**, **Spring**, **Hibernate**, **Rich/PrettyFaces**, **Tiles**, **Maven**

• *Nasza Chatka* - a web portal offering agency services for construction companies and their clients

Technologies: **Java 1.6**, **JSF**, **Spring**, **Hibernate**, **Rich/PrettyFaces**, **Tiles**

2006 – 2009 **administrator / Java developer**, *ConSol* Consulting & Solutions Software Poland (www.consol.pl)*, Cracow.
• Worked on a maintenance of ConSol*CM - one of most advanced CRM systems.
• Developed SmartGruper application - income optimalizer for hospitals. Successfully deployed at the hospital in Sucha Beskidzka.
• Researched and developed a 'proof of concept' application WebCTI - Asterisk / ConSol* CM in a single person R&D project.

Projects:

• *SmartGruper* - an application enabling hospitals to classify their services into the proper JGP system category

Technologies: **Java 1.6**, **Wicket**, **Spring**, **Hibernate**, **Maven**

• *WebCTI - Asterisk / ConSol* CM* - an R&D project intended to integrate the Asterisk switchboard and the ConSol*CM CRM system

Technologies: **Java 1.5**, **asterisk-java**, **WebCTI API**

• *ConSol* CM* - an advanced CRM system

Technologies: **Java 1.5**

Freelance projects

09.2011 – 08.2012   **rateIt**, *MGM Optima*, Pruszków.

a library allowing for very fast creation of online applications

Technologies: **Java 1.6**, **Wicket**, **Spring**, **Hibernate (Core, Validator)**, **JUnit**, **Mockito**, **Guava**

02.2011 – 03.2011   **eMailDownloader**, *MGM Optima*, Pruszków.

a library allowing for downloading e-mails and identifying bounce e-mails

Technologies: **Java 1.6**, **JavaMail**, **Spring**, **JUnit**, **Maven**, **XStream**, **jsoup**

11.2010 – 12.2010   **Jewelry Course - Editor**, *MGM Optima*, Pruszków.

an editor for the kurs-bizuterii.pl website offering jewelry courses

Technologies: **Java 1.6**, **Wicket**, **Spring**, **Hibernate**

Recommendations

Szymon Paluchowski
April 7, 2013

Working with Łukasz is a real pleasure. Extreme attention to details, always willing to help others, very fast at providing reliable development results. His technical knoledge is very good, allowing to propose the best solutions for solving problems. He's one of the best developers I've met.

Maciej Hamiga
January 6, 2013

Łukasz has proven to be one of the most valuable team members, with his wide technical knowledge, willingness to learn and - especially - unbelievable attention to details. Łukasz always aimed for the complete, perfect solution to a problem - half-measures never satisfied him. I would gladly work with him again.

Education

2009 – 2013   **Polish Air Force Academy in Dęblin**, Field of studies: Aviation and Astronautics.

2004 – 2009   **AGH University of Science and Technology in Cracow**, *Faculty of Electrical Engineering, Automatics, Computer Science and Electronics*, Field of studies: Computer Science.

Foreign Languages

English   reading, writing, listening - upper-intermediate
speaking - intermediate

Professional interests

concurrency/multithreading

GC tuning

JVM performance optimization

code optimisation

functional programing (Scala, Clojure)

low-latency systems

Interests

aviation (private pilot license PPL(A)), photography, bartending