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2015-02 ~ **Senior Software Engineer**
Ocado Technology, Hatfield, United Kingdom
Industry: Online grocery retail

I work in an agile team creating microservices providing real time availability logic to inform shoppers what is in and out of stock in milliseconds. Services are designed to be highly available (akka cluster, AWS, blue-green deployment), highly responsible (actor model) and low latency (in-memory cache with akka sharding). Services are based on CQRS and event sourcing.

I've configured Continuous Delivery pipelines. I've done a research on implementation of BlueGreen Deployment and found major flaws in the early stage what allowed us to prepare architecture of our applications before it's released to production.

I've worked on replatforming existing order management services to cloud based microservices. I've successfully introduced testing standards in the team (testing levels definitions - unit, component, system tests; naming convention). I've lead sessions to present importance of tests quality.

Technologies: Microservices, JSON, REST, Swagger, Hystrix, PostgreSQL, Python, Cucumber, Mockito, AssertJ, JUnit, Java, Jenkins, Guice, DynamoDB, Crucible, Kibana, Logstash, GO, AWS, Git, IntelliJ IDEA, Maven, Scala, ScalaTest, JIRA, Spray, Akka, Event Sourcing,

2014-03 ~2015-01 **Senior Software Developer**
Luxoft, Krakow, Poland
Industry: Investment banking

Contractor at UBS Investment Bank. I worked on capital commitment, automatic indication of interest generation and trade advertising applications at Cash Equities project.

I've introduced automatic system tests, enhanced logging that enabled tracking single requests, automatic build system using Gradle and Jenkins which improved speed and reliability of the process.

Technologies: QuickFIX/J, CameronFIX, Spock, Groovy, Git, Gradle, Jenkins, Java, Oracle, JIRA, SVN, IntelliJ IDEA, SQL, JUnit, AssertJ, Guava, Mockito,

2011-07 ~2014-02 **Senior Java Developer**
Java Developer Contributor
Sabre, Krakow, Poland
Industry: Airlines and airports

ŁUKASZ KUSEK

profile

Senior software engineer with over 5 years commercial experience (9 years including part-time jobs). My area of expertise is building highly available backend services on JVM platform (Scala - 1/2 year, Java - 5 years).

skills

Database

DynamoDB
PostgreSQL
Oracle
MySQL

Language

Scala
Java
Python
SQL
Clojure

Library

Guice
Akka
Spray
Cucumber
CameronFIX
QuickFIX/J
Spring
Hibernate

Other

REST
JSON
Microservices
Event Sourcing
XML

Tool

Maven
Git
JIRA
GO
AWS

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 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 features.

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.

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 possibility 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 HackDay 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.

Technologies: Java, XSLT, Guava, Maven, Apache Wicket, Spring, Hibernate, AspectJ, JUnit, Mockito, Fest, MySQL, Java, MyBatis, Apache Camel, XPath, XML, XML Schema, Oracle, Clojure,

2010-06

~2011-06

Java Developer

Sylogic, Warszawa, Poland

Industry: Websites

I've been developing web applications for customers. I took part of whole process of creating application (gathering requirements, analysis, designing, developing and deployment)

Technologies: Java, Spring, Hibernate, JSF, Maven, Apache Wicket, Tiles, IntelliJ IDEA,

education

2004 - 2009

Computer Science

AGH University of Science and Technology in Cracow

recommendations

"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 knowledge is very good, allowing to propose the best solutions for solving problems. He's one of the best developers I've met."

Szymon Paluchowski, April 7, 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."

Maciej Hamiga, January 6, 2013

2006-01

~2009-07

Linux administrator

ConSol* Consulting & Solutions Software

Poland, Krakow, Poland

Industry: CRM

I've built and been maintaining infrastructure for a technology company which employed 30 developers.

Developed income optimizer 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.

Technologies: Linux, Bash, awk, Java, Apache Wicket, Spring, Hibernate, Maven, IntelliJ IDEA,