

### Profile

Skilled IT professional with solid experience (*14 years*) in software development, software architecture designing and project management. Perfect programming knowledge and clear understanding of programming life cycle. Being industrious person, have passion to problem solving, write high-quality code and is always on time.

Web and backend applications

Full cycle Development and Design

Cloud computing applications

Project Management, planning and reporting

Mobile applications

Technical Estimation

### Technical Skills

Languages: Java, JavaScript, C/C++, Delphi, SQL, HTML, XML, XSL, UML

Frameworks: Spring, Hibernate, Lucene, MapReduce, JavaFX, JSF, PrimeFaces, Bootstrap, JQuery, JEXL, Apache FOP, Apache Mahout, Apache Crunch, Cloudera Kite SDK, MFC, VCL

Platforms: Hadoop, Android/NDK, J2ME, Symbian, Win32

Databases: NoSQL: HBase; Relational: MS SQL, Oracle, MySQL, Firebird, SQLite

Methodologies: OOP/D, Scrum, Agile, RUP, Waterfall

Middleware: Cloudera, Solr, Spark, JBoss, Tomcat, AWS

O/S: Linux (Ubuntu, CentOS), Windows, Mac

Tools: Eclipse, Visual Studio, SOAP UI, Maven, Jenkins, Git, SVN

### Professional History

**Principal Software Developer** at Dilicon LLC

Las Vegas, NV

March 2015 - Present

<http://www.dilicon.com>

I'm responsible for all phases of SDLC and ensure to deliver a high-quality product. Closely interacting with the customer I gather the requirements, do prototyping and decomposition of the future software system. I prepare a development plan and project documentation following the deadlines and budget. I develop effective technical solutions to meet business requirements and apply QA and testing methodologies in place to deliver solutions with minimal risk.

The most recent my project was a web application of category B2B for the package delivery industry. It was built on **Java EE** platform with the usage of **Spring**, JSF and **Hibernate**. The persistence layer was based on MS SQL and 1C Enterprise platform; however the database itself didn't control the integrity – it was responsibility of the application layer. The most challenging part here was to let Hibernate ignore missing rows in many-to-one relations but provide a lazy loading features for others. Another nice option was integration of full-text fuzzy search system from **Apache Lucene**. The UI is built on **PrimeFaces** – a great library in tandem with Omnifaces extensions, which are needed for proper handling of exceptions raised from Ajax requests. **Bootstrap** in UI gave not only a nice look to this project, but also helped in HTML5 video-streaming (thanks blueimp).

## Professional History (Continued)

**Senior Software Developer** at Altoros LLC

Sunnyvale, CA

January 2012 - May 2015 (3 years 5 months)

<http://www.altoros.com>

I was responsible for the development of computerized, networked inventory and revenue management system in business intelligence domain for vending machine industry. The stack of technologies I used was based on **Java**, Spring, **Oracle** and **Hadoop**. The most interesting part of the project was concerned with cloud computing field. On **Cloudera** cluster I developed a solution for the problem of de-duplication of data. Conceptually, de-duplication may be performed by considering each pair of records and applying some matching function to compute a similarity score; however, comparing all pairs of records is prohibitively expensive in large datasets. To accelerate the process the various mathematical techniques are used in order to limit the sample, having included only the records with maximum probability of similarity. Since the algorithm is built on matching operations and convolution of data, it is implemented in **Map / Reduce** technique, while Hadoop is used as a platform for parallel operations. Besides of development of the algorithm, I also worked hard on its optimization, refactoring code for **Crunch** and running entire solution on **Spark**.

**Independent Contractor** at OU Bamboo Group

Tallinn, Estonia

2009 - 2013 (4 years)

<http://www.bam-boo.eu>

Together with Bamboo I developed mobile applications for a wide variety of needs running on **Android**, J2ME and Symbian devices. The greatest app I made for them – Ringtonium – is a remarkably accurate tool for creating, editing, and sharing ringtones. A challenge was to create a sound engine for this app. Android is not the best platform for working with audio, so around 35% of source code was written in C language and has been integrated using **Android NDK**. Such approach has allowed me to open MP3 tracks of any length and still be effective in terms of memory consumption. Ringtonium has built-in MP3 encoder, is capable to record voice from the microphone, can add the sound effects like “fade in/out” as well as change the sound volume of a produced ringtone.

**Head of software development department**

Minsk, Belarus

at ADANI Systems Co.

<http://www.adanisystems.com>

July 2001 - December 2011 (10 years 6 months)

In ADANI I was responsible for integration of medical systems using **DICOM** & HL7 standards. As a head of department and team manager I did system analysis of software products, prepared requirements specification in accordance with customer’s desires and equipment capabilities. I was involved directly in software development, product deployment and maintenance.

## Education

- Master's degree in *Software Technologies for Embedded Systems* from The School of Business and Management of Technology of Belorussian State University (2002-2003)
- Master's degree in *Physics* from the Belorussian State University (1998-2003)