

Mikalai Parafeniuk. Software developer.

July 14, 2017

Contact Information

- **Email** physmatman@gmail.com
- **Skype** [parmikola](#)
- **LinkedIn** <https://www.linkedin.com/profile/view?id=177491081>
- **GitHub** <https://github.com/ParafeniukMikalaj>
- **Phone** +375 25 754 6119

Abstract

I am a software developer with passion for challenging projects, which involve complex distributed systems, big data, high load, machine learning, algorithms. My main specialization is development of complex backend systems. As I have started programming in 2009 when I was a freshman in university, I also have experience with web and Android development. In 2014 I received CS bachelors degree from Faculty of Computer Network and Systems of BSUIR and CS degree from Yandex school of data analysis. I can't say, that I prefer any technology or programming language in all situations. I use any technology depending on project needs I am working with, but I have great experience with Java and its ecosystem.

Work experience

Mintdata. Since November 2014

I worked at MintData as backend engineer. But due to processes particularity I gained lots of experience in different fields: architecture, planning, frontend development, DevOps, communication with customers.

Projects:

Mintdata platform This project started as an alternative to Apache Storm. Platform was used for different kind of tasks: web crawling, ETL, IoT, operational data analysis. Platform includes a big tool set to build applications, run and deploy them, control performance and execution process. Key technologies: Java, RabbitMQ, Jersey, Elasticsearch, MySQL, Spring for DI, AWS.

Greenwave Systems This was an IoT project, which lasted for one year. Our team developed a cloud services which handle indications from millions of sensors, allow users to control their devices and create complex scenarios for them. We were a part of distributed team, with colleagues in USA, Switzerland, Singapore. At the end of the project I have performed 2 week on-site training of colleagues in Singapore. Key technologies: Java, Kafka, Cassandra, ZooKeeper, XMPP, Mesos, Docker, Makefile.

Motifinvesting This is a financial project, that allows users to spend their money on creation of investment profiles, which distribute their money in different proportions between different stocks. We have developed a module responsible for observation of market situation and notification of users in case of significant events like price change of their investment profiles.

Key technologies: Apache Storm, Thomson Reuters, Quotemedia, MySQL, ZooKeeper, Hazelcast.

Loup This was a killer of Uber, which had a premium class cars, which run on specified routes. The challenge was to rewrite system completely.

Key technologies: Android, Node.js.

Yandex. June 2013 - November 2014

I worked at Yandex as Android developer. I have developed common authorization and registration module for all mobile applications. As Yandex has dozens of mobile development teams, I was required to solve complex backward compatibility and synchronization problems and to provide comprehensive documentation for other teams.

Key technologies: Android.

Omegasoftware January 2012 – June 2013

I worked at OmegaSoftware as Web developer. I have created a number of different web sites: site for media company for improvement of advertising planning, site for corporate networks in Germany, site for russian community of builders.

Key technologies: Java, Play, Spring, MySQL, Asp.Net, MS SQL, Windows Azure, DevExpress, Oracle DB, Javascript, jQuery, ExtJs.

AndersenSoft July 2011 – December 2011

I have worked at AndersenSoft as Android developer on audiobooks application.

Education

BSUIR 2009-2014 bachelors CS degree. University gave me strong math and programming background. At university I developed several interesting projects like cross-platform guitar tuner, RSA implementation, 1000 card game for Android, several sites and lots of programming assignments.

Yandex school of data analysis 2012-2014 CS degree. This school improved my math and algorithms knowledge and gave me an opportunity to work with machine learning, natural language processing, parallel programming. There I completed a lot of interesting tasks: statistical translator, machine learning competitions at kaggle, lamdas on C++03, named entity recognition, OpenMP, MPI, Wikipedia Page Rank on MapReduce and a lot of others.

Technical skills

Professional interests Distributed systems, algorithms, machine learning, natural language processing, big data, high load, concurrency, networks.

Languages English - B2. German - A2.

Programming languages Primary: Java. Secondary: Python, C#, C++, C, Javascript. Have experience: Delphi, Groovy, Scala.

Frameworks and libraries Java world: Netty, Zookeeper, Grizzly, Hadoop, Kafka, Spark, Cassandra, Spring, Hibernate, Tomcat and others. Different languages: ELK, RabbitMQ. .NET: ASP.NET, ASP.NET MVC, Entity Framework, DevExpress.

VCS Primary: Git. Secondary: Mercurial, SVN.

IDE IntelliJ Idea, Eclipse, VisualStudio, Android Studio, Emacs, Vim.

OS Linux, Windows, MAC OS.

Other achievements

GSOC 2012 I have successfully participated in Google Summer Of Code students program in Apache organization in 2012. I have implemented sparse matrix-vector multiplication for Hama project

Coursera Quantum computing course

Coursera Machine learning course