

# Alexandr Korsak

## Contact

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## Interests

- Software Development using the latest edge of the technologies like Ruby, JavaScript, Elixir, Python, Scala, Golang and expanding my skills in DevOps like Ansible, Vagrant, Docker, Kubernetes
- Increasing knowledge in Apache Spark, Apache Hive, Apache Hadoop for processing Big Data that comes from the advertisement platforms, learning recommendation engines and approaches.
- Learning Kubernetes, deployed my own clusters to Digital Ocean.

## Work Experience

- **Blastworks**

Software Developer, 2015 - current

- Developing servers for provision and deploy clusters using Golang, Ansible, Python modules to support EMR clusters.
- Build tools using Python for ETL
- Dockerization of our tools for easy testing before deployment to production env.
- Ruby for making tools and test cases for Apache Hive, Logstash, Elasticsearch
- Developing Spark streaming jobs for processing analytics that's coming from Kafka and CDN.
- Developing JavaScript(NodeJS) libraries for using for analytics and recommendations from web sites.

- **Flexe**

Software Developer, 2017 - 2019

- Developing dashboard and api layers using Ruby(Rails), JS
- Used Go lang to build the microservice to generate and print out barcodes and metadata based on the docs templates using Jinja template language.
- Supporting React.JS dashboard for admin pages.

- **GameHouse**

Software Developer, 2012 - 2015

- Team and Tech Lead of Ruby and JavaScript developers.
- Developing the application using Ruby on Rails, NodeJS, MongoDB, Redis, AngularJS.
- Working on the deployments tasks. Learning Ansible and Docker for building container based hosts.
- Developing the advertisement platform for the mobile devices.
- Brainstorm and prototype the new approach for some parts of the application.
- Writing specs and cucumber scenarios for integration tests for our API endpoints.

- **Musicfeed**

Co-founder of <http://musicfeed.co> . iOS application for getting suggestions based on facebook feeds and user's friends. Aggregator is working with Soundcloud, YouTube, Spotify, Mixcloud and other providers.

Technologies:

- Ruby for intercommunication between music services and aggregator of feeds
- Elixir for aggregating and crawling feeds using Facebook graph api.
- RabbitMQ for communication between Ruby and Elixir.
- PostgreSQL, Redis, ElasticSearch

- **Yardstick**

Software Developer, 2011 - 2014

- Working on the Learning Management System
- Developing using Ruby on Rails, PostgreSQL, MongoDB, Redis, ElasticSearch, AngularJS, Unit Tests, RSpec.
- Developing front end for the learners and teachers using AngularJS.
- Writing RSpec, Unit Tests(red - green - refactor)

- **TheHamon**

Co-founder, Software Developer, 2011 - 2012

- Team Lead of Ruby and JavaScript developers and QA.

- Working on the Risk Management Application
- Developing front end and server side applications using Ruby on Rails, MySQL, Redis, BackboneJS, RSpec, Cucumber
- Writing Cucumber scenarios for getting approve from the client before to start the development process.
- Pairing with the team mates using Pomodoro Technique
- **Monterosa**  
Software Developer, May 2011 - November 2011
  - Developing the backend for the realtime tv show games.
  - Prototyping using Ruby on Rails, JavaScript, MySQL, Memcached.
- **Belitsoft**  
Software Developer, 2009 - 2011
  - Developing the SharePoint 2007/2010 and .NET standalone applications.
  - Working with JavaScript and C# for customizing SharePoint components.
- **Itransition**  
Ruby / SharePoint Developer, 2007 - 2009
  - As a Ruby developer I was working on the Facebook applications and small projects similiar togroupon.com. Using Ruby on Rails, MySQL.
  - As a SharePoint developer we were working in the big team on the complex document oriented system based on Microsoft SharePont 2007.

## Education

- **Belarussian State of Informatics and Radioelectronics**  
B.S. in Computer Science, May 2010

## Skills

- Ruby (Sinatra, Grape, Ruby on Rails 2-4), NodeJS, Elixir, AngularJS, MongoDB, PostgreSQL, ElasticSearch, Apache Hive, Hadoop, Amazon Services, Ansible, Logstash, Docker
- Apache Spark, Hadoop, Hive, Sqoop
- Amazon EMR for deploying steps like Apache Streaming jobs, hadoop and hive solutions.

- TDD in Ruby, NodeJS, Python, Scala
- Tmux / Emacs / Vim