



# Mikhail Surin

*Software Engineer*

## Education

- 09.2002–03.2008 **Theoretical Physics and Applied Mathematics**, *Ural State Technical University*, Ekaterinburg, *Engineer*.
- 06.2012 **Mobile Applications Development**, *Ural State Technical University*, Ekaterinburg.  
Mobile applications development with HTML and javascript.

## Master thesis

- title *Research for electronic structure and magnetic state of mid-5f actinide metals*
- supervisors A.O. Shorikov, L.F. Gavrilov, Yu.V. Egorov
- description Electronic and magnetic state calculations for mid-5f actinide metals using LDA+U+SO method

## Experience

### Vocational

- 2016– **Team Lead**, *Yandex*, Moscow.  
Yandex.Afisha  
Python, Flask, Celery, MongoDB  
Detailed achievements:
  - Architecture issues refactoring;
  - Partial switch to microservice architecture;
  - Background tasks optimization (running time changed from 4 hours to 15 minutes);
  - API response time optimization (up to 10 times for some endpoints);
- 2014–2016 **Senior Software Engineer**, *Yandex*, Moscow.  
Yandex.Tickets  
Java, Spring MVC, MongoDB  
Detailed achievements:
  - Ability to import hall schemes from Sketch/Photoshop/Adobe Illustrator;
  - Integration with show and theatre tickets providers;

- 2013–2014 **Software Engineer**, *Yandex*, Moscow.  
 Yandex.Tickets.  
 Java, Spring MVC, MongoDB  
 Detailed achievements:  
  - Development of initial service architecture:
    - Selected database;
    - Developed structure of API;
    - Developed managers admin panel;
  - Integration with cinema tickets providers
- 2012–2013 **Software Engineer**, *Rambler*, Moscow.  
 Rambler-Kassa  
 ASP.NET MVC, MSSQL, javascript
- 2012 **Developer**, *McLeod Software*, Ekaterinburg.  
 ASP.net based application <http://www.mcleodsoftware.com/>  
 ASP.NET, VB, javascript, MSSQL
- 2011–2012 **Team Lead**, *WebTeam*, Ekaterinburg.  
 ASP.net based application development  
 ASP.NET MVC, NHibernate, MSSQL, MongoDB  
 Detailed achievements:  
  - Development of web application from the beginning:
    - Selected database;
    - Implemented caching;
    - Developed Web application;
    - Developed managers admin panel;
  - Integration with Facebook graph
    - Parse list of friends;
    - Compose graph of relationships;
    - Calculate distance from person to insight in desired company;
- 2010–2012 **Web Developer**, *Yaxon*, Ekaterinburg.  
 ASP.net based application of multi-domain jobboard  
 ASP.NET, NHibernate, Lucene, Solr, javascript  
 Detailed achievements:  
  - Cross-domain authorization
  - SOLR-based Full-text search
  - Migration from ASP.net WebPages to ASP.net MVC
  - Embeddable widgets with job openings for external websites
- 2008–2010 **Developer**, *eConsortian*, Ekaterinburg.  
 ASP.net based applications development  
 .NET, MSSQL, javascript, ActionScript, Wowza  
 Projects:  
  - ArtBanc. [www.arcbanc.com](http://www.arcbanc.com)
  - StoryPalz. [www.storypalz.com](http://www.storypalz.com)
  - PointHR. [www.pointhr.com](http://www.pointhr.com)
  - DeliveryMaxx. [www.deliverymaxx.com](http://www.deliverymaxx.com)
- 2006–2010 **System Administrator**, *Technotel*, Ekaterinburg.  
 Network support for gas-turbine power plant

## Miscellaneous

2008–2015 **Freelance developer.**

## Languages

Russian Native speaker  
English Upper-intermediate  
French Basic

## Programming Languages

|                  |              |          |
|------------------|--------------|----------|
| Java             | Expert       | 5 years  |
| C#               | Expert       | 10 years |
| Python           | Expert       | 2 years  |
| Javascript       | Intermediate | 10 years |
| CSS              | Intermediate | 10 years |
| Actionscript 3.0 | Intermediate | 3 years  |
| PHP              | Basic        |          |
| Ruby             | Basic        |          |

## Frameworks and Technologies

|            |  |        |  |
|------------|--|--------|--|
| Java       | Java 7,8,9,10, Spring, JAX-WS, Jetty, Jersey, Grizzly, Guice, log4j, Hibernate | Python | Django, Flask, Celery                    |
| C#         | .NET, NHibernate, Entity Framework   | Ruby   | Ruby on rails                            |
| Javascript | jQuery, Bootstrap, node.js   | PHP    | Symphony, Yii                            |
| CSS        | LESS, SASS   | SQL    | MSSQL, PostgreSQL                        |
| NoSQL      | MongoDB, Riak, Redis, Memcached  | Other  | Docker, Gradle, Ant, Amazon Web Services |

## Interests

Volleyball Playing 3 times a week  
Mind games Jeopardy etc.  
Music Classic rock-n-roll, 60s', 70s'

## Publications

- [1] A. O. Shorikov V. I. Anisimov A. N. Voloshinskii A. V. Lukoyanov E. S. Koneva A. A. Povzner Yu. Yu. Tsiovkin, M. A. Korotin and M. A. Surin. Calculation of temperature dependence of electrical resistivity in the transuranium metals and their alloys. *Phys. Rev. B*, 76, 2007. 075119-075129.