Mikhail Surin

Software Engineer

Education

09.2002– 03.2008 **Theoretical Physics and Applied Mathematics**, *Ural State Technical University*, Ekaterinburg, *Engineer*.

06.2012 **Mobile Applications Deveploment**, *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:
o Architecture issues refactoring;
o Patial switch to microservice architecture;
o Background tasks optimization (running time changed from 4 hours to 15 minutes);
o 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:
o Ability to import hall schemes from Sketch/Photoshop/Adobe Illustrator;
o 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, javacript, 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 relationsips;
- Calculate distance from person to insight in desired company;

2010-2012 **Web Developer**, *Yaxon*, Ekaterinburg.
ASP.net based application of multi-domain jobbboard
ASP.NET, NHibernate, Lucene, Solr, javascript
Detailed achievements:
○ Cross-domain authorization
○ SOLR-based Full-test 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
○ StoryPalz. www.storypalz.com
○ PointHR. www.pointhr.com
○ DeliveryMaxx. 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 dependendence of electrical resistivity in the transuranium metals and their alloys. *Phys. Rev. B*, 76, 2007. 075119-075129.