Alexey Zubritskiy

Software Engineer, Architect

I'm a passionate programmer. I mean it. I love challenging tasks and difficult problems. I started writing code even when I had no device to execute it and never stopped since then. I enjoy overcoming hardware and software limitations. I have fun in learning a new technology inside and out, adopting its way of doing things, and making exceptional new products with it.

I've replaced the heart of a complex system while it was running full throttle. I've designed new systems from scratch. I've dealt with various environments—from calculators and phones to clouds and supercomputers.

Programming is not only my job and my hobby. It is my lifestyle.

PROFILE

FULL NAME

Alexey Sergeevich Zubritskiy

BORN
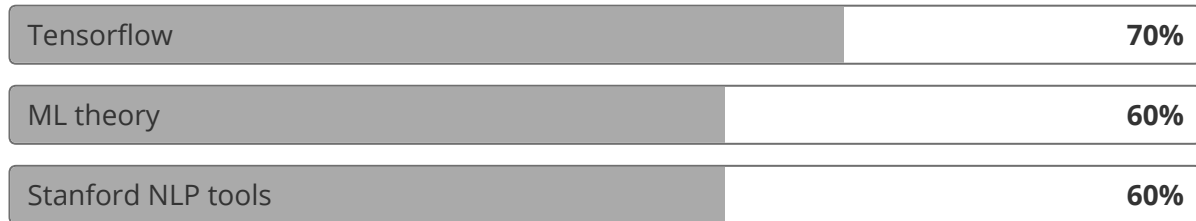
10 Feb 1984 - Sverdlovsk, USSR

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WEBSITE

zubr.me

SKILLS

MACHINE LEARNING & NLP

1 year experience, **current priority**

Tensorflow	70%

ML theory	60%

Stanford NLP tools	60%

And also

AMR RDF word2vec MATHLAB

FRONTEND

10+ years experience

JavaScript	95%

HTML	90%

CSS	90%

AngularJS 1.X	85%

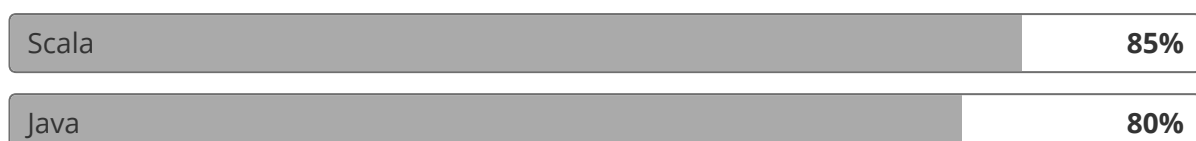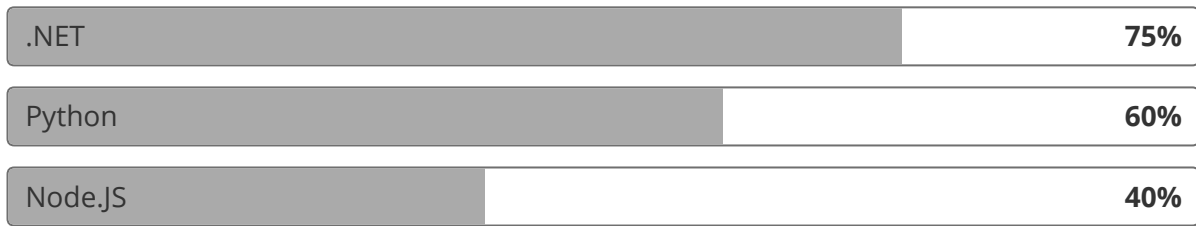| BackboneJS	75%
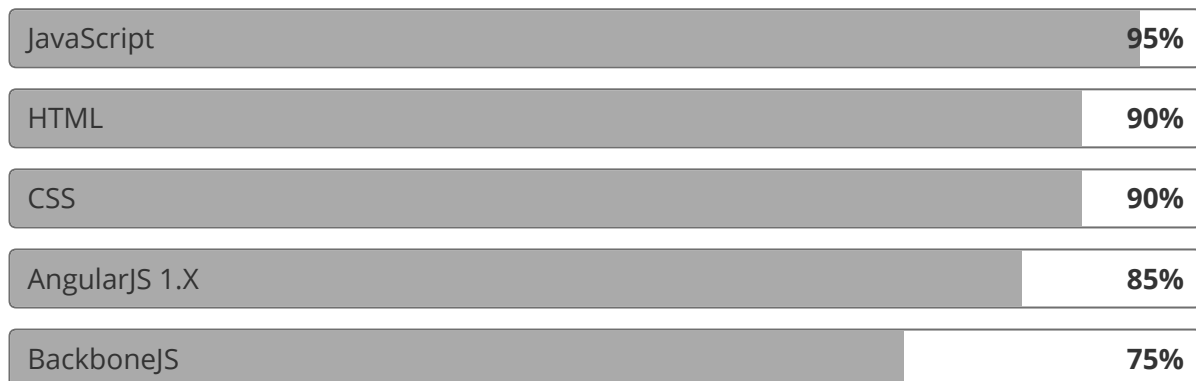
Side dishes

JSON AJAX HTTP JQuery Underscore.js LESS SASS Jade
JSDoc Markdown Grunt Mocha Jasmine Wintersmith Dust.js
Cross-browser Async

SERVER SIDE

9 years experience

Scala	85%

Java	80%

.NET	75%
Python	60%
Node.JS	40%

Including, but not limited to

Haskell | Akka | sbt | ScalaTest | Ant | Maven | JUnit | ASP.NET
C# | VB.NET | REST | OOP | Concurrent computing
Dependency injection

MOBILE

2 years experience

Objective-C & iOS	70%
Java & Android	80%
Titanium Appcelerator	70%

Plus

Cross-platform development | AppStore publishing

CLOUD

4 years experience

Amazon EC2	80%
Amazon S3	85%
OpenStack	60%

As well as

Amazon RDS | Amazon RedShift | Amazon DynamoDB | Other AWS services

DATA

10+ years experience

SQL	85%

XML	80%
XSLT	75%
RegEx	95%

More keywords

Database design | Transactions | Stored procedures | ORM | Serialization
JSON | Protobuf | XPath | DocBook | SQL Server | Oracle | SQLite
Blazegraph | SPARQL | NoSQL

TOOLS

my usual workplace

Git	75%
IntelliJ Idea	85%
Eclipse	85%
Linux	85%

Less used tools

Jira | SublimeText | Visual Studio | Windows | TFS | bash | curl
MacOS | xCode

COMMUNICATION

and collaboration

Russian	95%
English	80%
Team members cooperation	85%
Remote working	95%

WORK EXPERIENCE

FIRMSHIFT

⚑ Machine learning engineer, Architect - *November 2015 - Present*

Reason.ai

- Developing architectures, software solutions, and Machine Learning models for various domains, including Biotech and Public Services.
- Developing apps for supercomputers and clusters based on Massively Parallel Processing model (Python, TensorFlow)
- Developing and integrating natural language processing algorithms (Scala, Akka, Protobuf, Python)
- Researching approaches for meaning extraction and merging (AMR, Blazegraph)
- Working on Data Visualisation solutions (HTML5, JavaScript)

ELSEVIER

September 2013 - July 2016

PharmaPendium

Embase

⚑ Frontend developer, Architect

- Creating architecture and step-by-step plan of migration from JSP-based frontend to Single-page application
- Developing Single-page application frontend, performing migration (AngularJS, BackboneJS, HTML, CSS, JS, Grunt, Ant)
- Developing frontend for new modules
- Integration frontend build toolchain into existing project build system (Node.JS, Grunt, Ant, Jenkins)
- Introducing and supporting newly joined developers
- Introducing and enforcing code style and documentation standards (JSHint, JSDoc)

ScienceDirect

⚑ Full stack developer

- Developing documents downloader applet (AngularJS, HTML5, CSS)
- Developing documents downloader service (Java, REST, Amazon Redshift, Amazon S3)

PAYTOGETHER (OWN PROJECT)

⚑ Mobile Application Developer - *January 2013 - August 2013*

Paytogether mobile app

- Developing iOS application (Objective-C, SQLite)
- Developing Android application (Java, SQLite)
- Developing ORM library for android platform (Java, SQL)
- Publishing to AppStore

HUNITE

November 2007 - December 2012

Hunite Solution base

⚑ Full stack developer

- Developing HRM web application (VB.NET, ASP.NET Web Pages, jQuery, AJAX, JavaScript)
- Developing database (MS SQL, T-SQL SQL reports)
- Doing researches, technical and architecture design, proof-of-concept
- Interviewing, introducing and supporting new team members

⚑ Mobile developer

- Developing cross-platform HRM mobile application (Titanium Appcelerator, JavaScript)

⚑ Documentation manager

- Creating software, process and structure for product requirements system (DocBook, XSLT)
- Managing team of requirements creators

SOFTDEV LTD

⚑ Full stack developer - *February 2005 – November 2007*

- Developing on-line Enterprise Project and Portfolio Management System (ASP.NET, C#, SQL Server)

INTERESTS

FUNCTIONAL AND REACTIVE PROGRAMMING

Haskel, Scala, Akka, React.js

Composition of High order functions folds and ties data flow in unbelievable ways. It is just a new world where you learn programming from scratch.

LOW-LEVEL SOFTWARE

Rust

In contrast, Rust is the way to safe and blazing fast calculations on almost bare hardware. I'd like to make a tiny ADs filtering proxy server capable to work on routers and even 3g modems.

PET PROJECTS

Paytogether iOS app

Adblock2privoxy filters converter written in Haskel

SublimeText plugin on Python

And other projects on projects.zubr.me

ARTICLES

Hough Transform on GPU (in Russian)

Fast Late-bound Calls with Generics in .NET

Straight way to create ASP.NET user controls library

AND TRAVELS

travel.zubr.me

EDUCATION

COURSERA

✸ **Machine learning**

✸ **Principles of Reactive Programming**

URAL STATE TECHNICAL UNIVERSITY

✳ **Data processing and control systems**