

Nikita Baranov

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Software developer, critical thinker and team player with over 17 years experience of creating and maintaining software solutions. Hands-on knowledge of different roles and phases of the software product lifecycle, in combination with constant learning and fast skill acquisition, allows me quickly solve problems of any kind (technical, non-technical) and deliver the best possible user experience within deadlines. Recently, I started to dive into Machine-Learning and Deep Networks to enrich developed solutions with Artificial Intelligent capabilities.

SKILLS

- **Languages/Frameworks:** Java 8 ([OCP](https://openjdk.org/projects/9u/)), Spring Framework, Spring Boot, Spring Data, Python, Angular 4, Go language
- **Technologies/Standards:** REST, JSON, Git, Github, JUnit, Mockito
- **DB:** Cassandra (NoSQL), MongoDB (NoSQL), MySQL (SQL)
- **Deployment:** Docker, Kubernetes, Google Cloud
- **Big Data and Machine Learning(ML):** Keras, Tensorflow, Jupyter notebooks, Map-Reduce, Hadoop, Apache Spark
- **Fundamentals:** Algorithms and Data Structures
- **Soft skills:** agile, team player, critical thinking, problem-solving, attention to details, fast learner

WORK EXPERIENCE

Workjam (workjam.com), Montréal, Canada

Software Developer, (10/2018)-Present

Technologies: Java 8, Spring Boot, REST Microservices, Cassandra, jRebel, xRebel, Bitbucket, Jira, Confluence, Docker, Agile, Scrum, Sprints, Retrospectives.

The team was responsible for the development of several back-end microservices that forms a core functionality of the application.

Accomplishments:

- Implemented event sourcing functionality in two microservices. The main purpose is to create local Cassandra storage for most used objects that belong to the other MS. As a result significantly reduced the number of internal REST calls that lead to a reduction of response time and overall system load.
- Migrate three microservices to a leverage Spring Configuration Server autoconfiguration.

Stephen Léopold Montréal Immobilier Inc. (stephenleopold.com), Montréal, Canada

IT consultant, (02/2017)-Present

Technologies: Java 8.

Performed regular software and hardware updates, system administration and IT consultation.

Ericsson (ericsson.com), Montréal, Canada

Software Developer, (06/2017)-(10/2018)

Technologies: Java 8, Spring Boot, Spring Data, REST Microservices, Mongo DB, PostgreSQL, Angular Js, Docker, Kubernetes, Agile, Scrum, Sprints, Retrospectives.

The team was responsible for the development of two services (back-end and front-end) in an internal management system.

Accomplishments:

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- Refactored one of two main Java Spring Boot microservices that resulted in a significant increase of code base clarity and reduce code base by 3k lines.
- Also, as a result of refactoring proposed and implemented a new version of REST API that simplified back-end and front-end logic of the application.
- Investigated and developed the first integration with an external system.
- Proposed changes to sprint planning that resulted in an ability to meet deadlines with production-ready features.

SKB Kontur (kontur.ru/eng), Ekaterinburg, Russia

Product Owner, (09/2009)-(08/2016)

Technologies: User interview, User demo, Roadmaps, Agile, Scrum, Sprints, Retrospectives.

Started and developed a product (ca.skbkontur.ru) responsible for issuing e-signature certificates for various business and individual usage. The product evolved into a set of market tailored solutions that later become one of Strategic business directions of the company - "Digital Certificate Authority services" (kontur.ru/eng/strategy). The products were nominated #1 in "Customer service" and "Customer satisfaction" categories.

Accomplishments:

- Lead development and rolling out of the product line from scratch.
- Conducted ongoing comprehensive research of the client needs.
- Planned long-term and short-term development roadmap.
- Supervised distribution of hardware tokens all across Russia.

SKB Kontur (kontur.ru/eng), Ekaterinburg, Russia

Project Manager, (09/2006)-(09/2009)

Technologies: C++, ASP.Net, C#, SQL Server, Microsoft IIS.

Main Projects:

- Annual certification of the main product in the Federal Tax Service of Russia.
- Accreditation of a Certification Authority in the Federal Tax Service of Russia.

SKB Kontur (kontur.ru/eng), Ekaterinburg, Russia

Software Developer, Technical Support (06/2002)-(09/2006)

Technologies: C++, ASP.Net, C#, SQL Server, Microsoft IIS.

Joined an in-house start-up that developed an innovative system for submitting filings to regulatory agencies through the Internet ([kontur.ru/eng/about kontur extern](http://kontur.ru/eng/about_kontur_extern)). The system later becomes the main product of the company (kontur.ru/eng/products).

Accomplishments:

- Developed the first version of internal CRM.
- Lead system testing initiative.
- Created customers and partners support teams.

EDUCATION

Master of Software Engineering, 2018, Concordia University, Montréal, Canada

Accomplishments:

- A research project, supervisor Assistant Professor Tristan Glatard: Build a Deep CNN to produce a crop-mask of a brain out of 3D MRI scan. The network produces masks that outperform the current solution. We began to prepare the results for publication.
- Character recognition web-service: an Individual full-stack project that uses Angular 4, Spring Boot, Mongo DB, Docker, Kubernetes, Google Cloud and Google Machine Learning engine. A web service provides an input field and recognizes (MNIST) digit written by a user.

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- Clients clustering and sales recommendation system: 1.5 GB of raw data to clusters and identify the recommended set of products for each customer.
- Reactive asynchronous non-blocking web application - "TweetAnalytics": a web service created on Actor based programming paradigm. Used Lightbend Akka library and Play Framework.

Bachelor of Computer Science, 2004, Ural State University, Ekaterinburg, Russia

CERTIFICATIONS

1Z0-809. Oracle Certified Professional (OCP), Java SE 8 Programmer II

2019.07 - Oracle, [view badge](#).

Course **DS220: DataStax Enterprise 6 Practical Application Data Modeling with Apache Cassandra™**

2019.07 - DataStax

Course **DS201: DataStax Enterprise 6 Foundations of Apache Cassandra™**

2019.07 - DataStax

Programming with Google Go language Specialization

2019.06 - University of California, Irvine, Coursera Certificate ([MFANKQBPD2QG](#)).

- Getting Started with Go ([9X7YXPJ72CH4](#))
- Functions, Methods, and Interfaces in Go ([97AP2EZ7AYA9](#))
- Concurrency in Go ([EN3769Y57CY3](#))

Building Cloud Services with the Java Spring Framework

2019.06 - Vanderbilt University, Coursera Certificate ([RHQMSZLS7VPS](#)).

Building Scalable Java Microservices with Spring Boot and Spring Cloud

2019.05 - Google Cloud, Coursera Certificate ([AJZCFHWBEYDL](#)).

Parallel, Concurrent, and Distributed Programming in Java Specialization

2019.05 - Rice University, Coursera Certificate ([9A626D2F93Z4](#)).

- Parallel Programming in Java ([4U5CD8KJR2TL](#))
- Concurrent Programming in Java ([9E34ECZEM638](#))
- Distributed Programming in Java ([66XB9DHNUV49](#))

1Z0-808. Oracle Certified Associate (OCA), Java SE 8 Programmer I

2019.03 - Oracle, [view badge](#).

Deep Learning Specialization

2018.04 - DeepLearning.ai, Coursera Certificate ([38CFSRVP8BD9](#)).

- Neural Networks and Deep Learning ([FR52XXNXE5X3](#))
- Improving Deep Neural Networks (DNN) ([A4ZGLJLRD596](#))
- Structuring Machine Learning Projects ([LWCZSX6ZNR6P](#))
- Convolutional Neural Networks (CNN) ([6FDVEEKFBYVT](#))
- Sequence Models (RNN) ([BFDXGW8MMEQE](#))

Certified Scrum Product Owner

2009.11 - Scrum Alliance, Inc. Certificate (#[000256274](#)).