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](#)), 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 autoconfigaration.

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, Kubernates, 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:

- 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). 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, Kubernates, Google Cloud and Google Machine Learning engine. A web service provides an input field and recognizes (MNIST) digit written by a user.

- 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).