

Elena Nikolaeva, Software Developer

9 years experience in software development industry. Key skills:

ice.lenor@gmail.com

Skype: ice.lenor

+31 6 1920 3537

- .NET, C#, WPF, ASP.NET Web API, REST.
- Android, Java. [Check out my app](#) in Google Store!
- Relational databases. NoSQL databases.
- Project management, business analysis, requirements gathering. I'm very good at translating from customer language to technical and back.
- Code quality, unit-testing, code review. Code quality means product quality, means happy customers.
- Mentoring team members, team leading. Interviewing and hiring.

Blog:

<http://smartpuffin.com/>

12/2015 — present: Software Developer & Team Leader at [Booking.com](#), the online accommodation booking platform

I am leading Geo team which takes care of all location-related information on the [booking.com](#) website.

Key achievements:

- **Leading the team** of 7 people: developers, designers, data scientists. Helping my team to be **productive**. **Coaching** team members, helping them to grow professionally and career-wise. **Mentoring** junior developers.
- **A/B tested** with commercial success many hypotheses in customer-facing products.
- Implemented a **geodata storage and API**, letting other teams access our data much easier than before, and decreasing several times the delivery time of new data. Perl, Java, MySQL.
- **Built a process** of data collection, and coordinated several projects around **new data** collection and improving the **data quality**, resulting in better **customer experience**.
- **Delivered a conference talk** about our process of working with geodata, from user research to collection to A/B testing: <http://it-nonstop.net/city/wroclaw>
- **Interviewing** new developers.

2016 — present: Word Cloud, Android app

[Pet project](#): an Android app for making cute word clouds with a clever algorithm. ~1 000 000 installs.

Backend webserver processing and validating in-app purchases, using Python, Django, uWSGI.

02/2012 — 11/2015: Senior Software Developer at [2GIS](#), the online maps company

Project: **Scalable enterprise GIS-solution** created from scratch. Scrupulously developed in accordance with our cartographers' technology, it allows the team of 500+ cartographers all over the globe to create **the map of the whole world**. It was immensely interesting to develop, and we had **a lot of fun!**

3-tier architecture, complex business logic, distributed several level cache, scalability, spatial algorithms, graph algorithms. C#, WPF, MS SQL Server, ASP.NET Web API, REST, ElasticSearch, Neo4J and more.

My responsibilities:



- **Architectural design** and development of all server and client applications. Most interesting:
 - Vector tile server with automatic geometry generalization, reducing the data size from several megabytes to several hundred of kilobytes per user per second of their work.
 - Vector geometry editing tools.
 - Data validation tools.
- **Project management:** requirements gathering, system analysis, prioritization, communication with other teams.
- **Communication with our customers:** from understanding what they want - to proudly presenting them our results, to persuading them, to helping them adjust their process to be more effective.
- Ensuring **product quality:** unit-testing and code reviewing. All complex and critical scenarios are 100% unit-test-covered.
- Ensuring **team productivity:** mentoring team members on the domain area, product, and technology.

[Read more](#) about our architecture and development process in my blog about software development.

01/2009 – 01/2012: Software Developer at [2GIS](#)

I was working on two big projects during this time.

First project: development and further support of a **GIS application**. Key highlights:

- Implemented multi-language data support, internationalization and localization, allowing the company to **open multiple branches in other countries**.
- Designed and implemented custom UI, effectively **speeding up to 2.5 times** the users' working process.
- Maintained, refactored and bugfixed in a large codebase (15+ y.o. legacy C++ code).
- Mentored junior team members while being a **technical lead** and a team lead.
- C++, STL, Boost, MFC, Firebird.

Second project: **Companies Database Application**.

- Developed and supported an application for gathering data about companies in the city.
- C++, STL, Boost, MFC, Firebird, VBA.
- Big focus on **data quality and correctness**.
- 1000+ users.

Education

Siberian State University of Telecommunications and Information Sciences.
Master's Degree in Computer Software Engineering.