

NIKOLAY TURPITKO

Software Developer, Freelancer

nikolay@turpitko.com | +79236479236 | <https://nikolay.turpitko.com>

SUMMARY

- Go programming language: **about 3 years**.
- HTML, CSS, JavaScript: **more than 7 years**.
- NoSQL (Redis, MongoDB): **about 1 year**.
- SQL: **more than 8 years**.
- Android: **some experience**.
- Java, JEE, J2EE: **6 years**.
- Overall experience in the software development: **more than 15 years**.
- Experience in the enterprise web-development area: **more than 10 years**.
- Misc – Git, SVN, Ubuntu/CentOS Linux, bash, vim, tmate, make, Docker, Vagrant, Packer: **confident user**.
- Human languages: **English (intermediate), Russian (native)**.

EMPLOYMENT HISTORY

12/2014 – Present

Let's Rock Today!, Moscow/Barnaul (<https://www.letsrock.today>)

Software Developer and Architect

Hybrid (web/Android) application for search, browse and subscribe to entertainment events (not quite like seatgeak.com)

Go, CentOS, RPM, SystemD, Nginx, Redis, Ledis, LevelDB, bash, Docker, Vagrant, Packer, Java (Android), Javascript, Riot.js

Along with colleague of mine during remote pair programming sessions created:

- back-end server on Go (several separate services behind Nginx in reverse-proxy mode with Sphinx search engine),
- build automation with make, bash, Docker, Vagrant and Packer,
- native Android application,
- HTML5/Javascript application - mobile/desktop website (using Riot.js framework),
- 3-legged OAuth2 implementation at server, web and Android apps (recently we started to extract this part into separate open-source project on Github).

02/2013 – 03/2014

Taxi Moment (freelancer), remote (<http://taximoment.ru/>)

JavaScript and Go developer, freelancer

Web and Android app to book a taxi cab in Moscow

JavaScript, jQuery, Dojo, Apache Cordova, Java, Go, Google App Engine

In parallel with my permanent employment in UBS/Manpower, I periodically participated in the side project as a freelancer. Developed web and Android app, based on Apache Cordova for taxi ordering. Initially we deployed it in the web, Google Play and Apple AppStore, but later decided to drop support for iOS. Developed Go-based back-end service for authorization and update order status to users. Implemented 3-legged OAuth2 flow and SMS sending via Twilio and SMSAero.

03/2012 – 12/2014

UBS ("Manpower CIS" contractor), Moscow (<http://www.ubs.com/ru/en.html>)

Senior Programmer-Analyst

Equity trading and settlement system

Java, J2EE, JEE, JDBC, SQL (RDBMS MS SQL), Apache Ant, Apache Maven, Apache Camel

Migrated equity trading and settlement application from WebLogic 8.1 to WebLogic 10.3. Migrated project with two dozens EJB beans from EJB2 to EJB3. Fixed several memory leaks and absence of stateful beans removal throughout project. Refactored about sixty timer tasks to improve code reuse, clarity of business logic, separation of concerns, cohesion and maintainability. Introduced SNMP monitoring support. Performed ongoing development, debugging and level 3 technical support of in-house banking application for investment bank UBS

Russia/CIS in accordance with business needs. Created number of tasks with Apache Camel (as part of the migration of the in-house banking application to the platform of external vendor).

09/2009 – 03/2012

Luxoft, Moscow (<http://www.luxoft.com/>)

Senior Java Developer

Custodian system

Java, J2EE, JEE, Java Connector Architecture, Swing, Spring Framework, Tibco Rendezvous (via Java API), JDBC, SQL (RDBMS MS SQL), Apache Maven, Apache Ant, VBA, Crystal Reports, BIRT

Participated in the design, development, debugging and level 3 technical support of in-house custodian banking application for one of important Luxoft's client - UBS Russia/CIS. Worked in close collaboration with customer's development team. Migrated application from WebLogic 8.1 to WebLogic 10.3 (EJB2 to EJB3). Implemented JCA connector to Tibco Rendezvous for WebLogic 10.3 and API to reuse it in a Spring-based standalone application. Implemented number of banking reports (Crystal Reports, BIRT, MS SQL stored procedures).

12/2008 – 09/2009

Sibirenergo-Billing, Novosibirsk (<http://www.billing.sibirenergo.ru/>)

Senior Java Developer

Unified Payment System

Java, Hibernate, Criteria API, Spring, web services, Apache Axis2, J2EE, JAX-WS, JAXB, XML, XML DOM, XPath, JUnit 4, EasyMock

Participated in the development of the payment system owned and supported by Sibirenergo-Billing company. Implemented integration logic to connect this payment system to several other vendors' payment systems, using custom communication protocols over HTTP/HTTPS, web services (SOAP). Touched app's security aspects - Spring Security and JAAS configurations, configured web service server and client to communicate with mutual SSL and pre-emptive base authentication. Used Java Security API to perform mutual SSL authentication and signing messages. Performed Java code profiling, bottleneck analysis and optimization, SQL, HQL and Criteria API queries optimisation, unit testing with JUnit 4 and EasyMock.

04/2008 – 12/2008

S7 IT, Novosibirsk (<http://www.s7.ru/en/index.html>)

Senior Java Developer

Web application for ticket agents and retailers

Java, J2EE, EJB3, JSF, Facelets, JBoss Seam, RichFaces, Ajax, Javascript, Prototype.js

Prototyped a new version of the UI for a web app for ticket reseller partners of S7 airlines. Redesigned existing version to leverage more component-oriented design for a better maintainability. Optimized web application to increase its performance. Introduced validation with Ajax and Hibernate Validator. Implemented strategy of web application resources caching. Introduced mechanisms of Javascript and CSS minifying as well as adjustable gzip-compression.

11/2006 – 03/2008

Luxoft, Moscow (<http://www.luxoft.com/>)

Java Developer, Senior Java Developer

Dell's global order fulfillment system— Java, J2EE, JSP, JSF, JMS, JDBC, SQL (RDBMS Oracle), XML, web services, Apache Axis, Apache XMLBeans, C#, ASP.NET, webMethods, Apache MyFaces, Apache Tobago, Apache Shale

Started as Java Developer, promoted to the Senior Java Developer at 07/2007. As a member of a global Dell's development team, participated in the development of Dell's global order fulfillment system.

05/2005 – 11/2006

Applied Technologies, Chelyabinsk (<http://www.appliedtech.ru/?lang=en&page=home>)

Java Developer

Thin client for the DB2 Query Management Facility Tool

Java, JSP, JSF, HTML, CSS, Javascript

Took part in the development of the JSF-based web UI for existing Swing-based project. Developed several custom cross-browser JSF components. Prepared web application for the internationalization including BiDi locales support and layout.

06/2003 – 04/2005

Toll station, Sibirtelecom & Altaytelecom, Barnaul (<http://www.altai.sibirtelecom.ru/>)

Engineer of electronics

Several web-applications for telephone exchange engineers

C#, ASP.NET, ADO.NET, .NET Framework, HTML, DHTML, CSS, SQL (RDBMS Oracle, Microsoft Access), VBScript, Javascript, ASP, ADO, Microsoft IIS, awk

Being a sole software developer in the department, created from the scratch and supported several in-house web and desktop applications for automation of various tasks within the department.

05/2000 – 06/2003

Prominform, Miass (<http://www.prominform.ru/index.php?ktg=1&lng=1>)

Software Developer

Development software for Telephone Line Analyzer

C++, STL, ATL, WTL, COM, OLE-automation, DirectSound, Win32 API, DDK, NuMega SoftIce Driver Studio, x86 Assembler, ADSP2181 Assembler, Atmel ST90S1200 Assembler, Microsoft Visual Studio 6

Developed full stack of programs for telephone line analyzer:

- embedded program for digital signal processor,
- embedded program for Atmel AVR 8-bit microcontroller,
- ring 0 device drivers for Windows 98 (vxd) and NT2000 (sys),
- shared (dll) libraries to provide API for upper-level programs,
- GUI application with OLE/COM automation interface for scripting,
- several example automation scripts.

Device's digital signal processor gathered information from various sensors and controllers (like MT9075 E1 Line Interface Unit, multichannel ADC etc), preprocessed it, performed some measurements and sent all information into PC. Device driver created several shared memory buffers within application's process and filled them with data from device in real time. GUI application was able to display, analyze, play and record all the data gathered from analyzer in the real time. Data included sound and signaling information from two PCM-30 trunks, several ADC channels, etc. Automation scripts were able to start/stop data recording on different events evaluated by the mine program from incoming data (like detected dual tone digit or series of digits, some voltage threshold on some input, etc).

EDUCATION

09/1994 – 06/1999

Chelyabinsk State University, Chelyabinsk (<http://www.csu.ru/en>)

Specialist degree (5 years degree)

Physics, Radiophysics and electronics

Diploma number: ABC 0245806

CERTIFICATIONS

- Oracle Certified Master, Java EE 5 Enterprise Architect
- Sun Certified Web Component Developer for J2EE 1.4
- Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0

ADDITIONAL INFORMATION

- Remote positions are preferable.
- Business trips are possible.
- Relocation is possible.
- Document updated: **2018-12-30**.