



# Roman Musiy

Software engineer



## Summary

Proficient software developer with strong educational background and expertise in software design and implementation. I have experience in applied cryptography, databases, concurrency programming, xml (scheme as well as xslt). One of my most achievement is creating from scratch application for accounting system that allows customers to send payments and another e-documents to bank and obtain incoming e-documents. I realise how it's important to develop reliable and efficient software taking care of maintenance driven development. I take full responsibility on tasks I working on and accomplish them.



## Experience

12/2018 - present

### Java Software Developer

Rostelekom, Moscow

Involved into development of SDP (service delivery platform) that responsible for managing packages subscriptions and purchasing content on Rostelekom TV platform. Millions of users all over the Russia use this platform to get access to their video using STB-boxes, mobile or web-platforms. My primary day-to-day activities are: communication with analytics to help write correct technical requirements, programming with Java (coverage with unit/integration tests), code review and release building. The most complex aspect of my work is trying to evolve project trying to avoid breaking backward compatibility with huge amount of legacy applications.

02/2017 - 11/2018

### Java Software Developer

BIFIT, Moscow

Participate in development of new EDI customer service as Java developer and software architect. I responsible for design and development of few services for EDI transfer and cryptographic operations using Java platform. I also developed web application with Angular 4/5. EDI applications that I developed has passed state certification and allowed to be used in production.

Used technologies: Docker, Spring (core, MVC), Tomcat, JAX-RS (Jersey), JCE, JAXB, JDBC, JasperReports.

04/2012 - 06/2016

### Senior Software Engineer (1C platform)

BIFIT, Moscow

I have designed, developed and publish to customers new module for online bank system. Module allows users to sign and send payments directly from 1C:Enterprise system and get report about account transactions. I form a team for project and lead it. Within this project I get tightly acquainted with cryptography and system programming for Windows. I've used such tools and instruments as: Visual Studio C++ 8/10, make, git, 1c, Java, openssl. The primary focus of application was made on security and preventing of unauthorized usage and reliability over different platforms: Windows 98/XP/7/10. The main complexity was to tight together



## Personal Info

### Address

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### E-mail

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### Date of birth

1984-09-14

### Citizenship

Russia

### Skype

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### Telegram

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### GitHub

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### LinkedIn

<https://www.linkedin.com/in/romanmusiy/>



## Skills

Java Core



C



Docker



Cryptography



SQL



XML-Schema, XSLT



Design Patterns



very different components and tools to make this work as one product. For example I had to develop a library for interacting with USB tokens as well as design UI component to look similar on different platforms. As a result of my effort 1C company decided to publish technology as standard on 1C platform.

03/2011 -  
03/2012

## ● **Software Engineer**

BIFIT, Moscow

I performed system analysis of the company business processes and documented it with BPMN. Some business processes of company was structured and optimized based on this analysis. I designed new system to support trade operations and lead a team to develop it. Upon completion of development I performed business data migration to new system from the old one and was responsible for data integrity, quality control and switching to new system.

03/2008 -  
06/2011

## ● **Software Developer**

1C, Moscow

Responsibility for development of the 1C:Standard subsystems library. I've take a lead in development of more than 20 subsystems in library such as: e-mail, HTTP/FTP file transfer, users management and many others. Also I was responsible for assembly and publication library for customers.

Nowadays this subsystems is widely used in modern 1C:Enterprise 8 applications for ERP, trade and accounting software with hundreds of thousands users in Russia.

12/2004 -  
02/2008

## ● **Software engineer**

Rhonda Ltd., Vladivostok

Was engaged in development on embedded platform p2k for mobile phones of Motorola company (e.g. RAZR V3, E398, SLVR L7 and many others).

Work on application for audio/video playback and recording as well as progressive download and streaming features. Obtain skills in development with huge code base (millions lines of code). Experience in complex problems analysis (analyzing memory dumps of phones). Work organized with CMM-4.



## **Education**

09/2001 -  
07/2006

### ● **Far Eastern Federal University (former Far Eastern State Technical University)**



## **Certificates**

10/2019

● Half year Java development course

09/2017

● Algorithmic Toolbox by University of California, San Diego & Higher School of Economics

06/2015

● Cryptography by University of Maryland, College Park