

# Programmer (software engineer) resume Arthur Golubev (Arthurgolubev1985)



This resume last update day: 2024-12-31 (39 years old)

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## 1. Related to programming (software engineering) works

*(The listed related works are: 1 Programs (Software) Engineering, 2 Educating programming.)*

## 1.1. History of related to programming (software engineering) works sessions

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*(Part-time) in progress*

June 2020 (35 years old) — still

**Arthur Golubev (own projects)**

### **(Part-time) Software Engineer and Technical Writer**

Various projects programming, engineering protocols and technical writing - products finally either planned to be published or published (some other are being currently engineered too):

Software:

- IPFIX flow data network traffic anomalies detector [C++, networking],
- Workstation network traffic anomalies detector for Linux [C++, networking],
- System of static "web"-page servers [C++, networking],
- System of DNS (Domain Name System) servers with load balancing and geo distribution [C++, networking],

- A set of small programs engineering and maintenance programs-tools [C++],

Protocols:

- C++ programming language code style ag85cppcs1 [C++, technical writing],
- Licensing concept ag85lc1 [engineering, technical writing],
- Coding symbols by numbers concept ag85csnc1 [engineering, technical writing],

Educationals:

- Reference on multithreading [multithreading, technical writing],
- Reference on distributed systems [distributed systems, technical writing],
- Reference on binary computations [binary computations, technical writing],

Engineering tools:

- General systems engineering checklist [general systems engineering],
- Data storing engineering checklist [data storing],
- Multithreading engineering checklist [multithreading],

"Web"-engineering:

- Engineering and deploying "web"-site www.ag85.site ["web" technologies, HTML].
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### **State Organization of Additional Children Education by Kirovsky District of Saint-Petersburg**

Russia

*Time #2: 9 months*

March 2018 (32 years old) — January 2019 (33 years old)

#### **Teacher of Additional Education**

- Teaching pupils programming (C++);
- Organizing, taking part in organizing and taking parts in judging pupil competitions;
- Producing methodical materials for educational courses;

*Time #1: 7 years 1 month*

December 2002 (17 years old) — January 2010 (24 years old)

#### **Teacher of Additional Education**

***Consequentially The Second, The First, and The Highest state qualification categories of Teacher of Additional Education specialty have been assigned to me.***

A photocopy of the certificate of The Highest Qualification Category of Teacher of Additional Education:

- <https://disk.yandex.ru/i/g2VwerMnKDdhNg>
- <https://cloud.mail.ru/public/QBz1/8DuNz7To1>
- <https://drive.google.com/file/d/1uJtO47zTQfGbJlpeDOjHU1bmB99MiQih/view?usp=sharing>

- Teaching pupils programming (C++, QBasic, PC user courses);

- Preparing pupils for city IT, programming knowledge and software applications competitions which they repeatedly placed at;
- Producing methodical materials for educational courses;
- Organizing and taking part in organizing civil educational competitions for pupils of additional education of Information Technologies and Programming of Saint-Petersburg;
- Acting as a member of Active Group of Methodical Association of teachers of Information Technologies of Additional Education of Saint-Petersburg.

*1 year 6 months*

*September 2016 (31 years old) — February 2018 (32 years old)*

**State Saint-Petersburg University of Telecommunications in the name of Bonch-Bruевич M.A.**

Russia; <https://www.sut.ru>

### **Lead Engineer, Assistant Professor**

Conducting and methodical support of the courses of:

- Software Engineering;
- Computer Engineering.

### **LogPoint A/S**

Remotely (Denmark); <https://www.logpoint.com>

As Individual Entrepreneur (from Russia)

*Time #2: (One project) 4 months*

*June 2017 (32 years old) — September 2017 (32 years old)*

### **Principal Project Singular Developer for continuation of one project**

For previously developed Netflow V5 / Netflow V9 / IPFIX collector with elements of analysis corresponding to LogPoint SEIM system (<https://www.logpoint.com>) tasks:

- Integrated the collector-analyzer with the new versions of the LogPoint SEIM system [C++, Linux];
- Producing documentation for the collector-analyzer.

*Time #1: (One project) 10 months*

*August 2015 (30 years old) — June 2016 (31 years old)*

### **Principal Project Singular Developer for one project**

Netflow V5 / Netflow V9 / IPFIX collector with elements of analysis corresponding to LogPoint SEIM system (<https://www.logpoint.com>) tasks:

- Designed and implemented the collector-analyzer [C++, Linux];
- Integrated the collector-analyzer into LogPoint SEIM system (<https://www.logpoint.com>).

### **Upwork Freelance Platform**

For customers around the world (remotely); <https://www.upwork.com>

*Time #3: (Part-time) 2 months*

*December 2018 (33 years old) — January 2019 (33 years old)*

*Time #2: (Part-time) 4 months*

*December 2016 (31 years old) — March 2017 (32 years old)*

*Time #1: (Some part-time, some full-time) 9 months*

*November 2014 (29 years old) — July 2015 (30 years old)*

### **(Some part-time, some full-time) Freelance Software Developer**

(Profile at Upwork platform web-site:

<https://www.upwork.com/o/profiles/users/~014cb5bd0eacdc3c51/>)

Short-term multifarious software development jobs [C++, Linux, OS X].

Please look through the portfolio at Upwork.com by the link <https://www.upwork.com/o/profiles/users/~014cb5bd0eacdc3c51/> for details of the jobs and positive responses. Also, without login to Upwork.com, screen-shots of these are available at:

- <https://disk.yandex.ru/d/ctwHAFwVwiw1OA>
- <https://cloud.mail.ru/public/aEkv/8YPg6QxLd>
- <https://drive.google.com/file/d/1tBnPVWzZ-E5pg9IDtwmcdagGhZw7G9/view?usp=sharing>

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### **Protonmedia, Inc.**

The USA (remotely); <https://www.protonmedia.com>  
by agency of Elverils, LLC (Russia; <https://www.elverils.com>)

Time #2: 3 months

February 2015 (29 years old) — April 2015 (30 years old)

### **Senior Software Developer**

Investigated the status in regards of readiness of code of the following version of Protosphere (<https://www.protonmedia.com>).

Time #1: 4 years 6 months

October 2009 (24 years old) — March 2014 (29 years old)

### **Senior Software Developer**

(Starting from the 1<sup>st</sup> of January 2012 collaborating registering as an individual entrepreneur.)

- Developed a tool for load testing Protosphere (<https://www.protonmedia.com>) server side part (bots) – emulating:
  - 3D world user activity (Protonmedia servers of Protosphere server side)
  - audio communication activity (Microsoft Lync Server part of Protosphere server side);
- for Protosphere versions:
  - 1.x [C++, Win32API / Windows Server, Active Directory],
  - 2.x and 3.x [C#, MSSQL, UCMApi / Windows Server, Active Directory];
- Designed and implemented (both server and client sides) instant messaging for some Protosphere versions with Microsoft Lync 2010 instant messaging feature [C#, UCMApi, MS Lync Client API / Windows Server, Active Directory];
  - Implemented Protosphere audio (voice) collaboration feature of client side of a Protosphere version by integration with Microsoft Office Communicator 2007 [C++, COM, Microsoft Office Communicator 2007 Automation API];
  - Designed and implemented client side of Protosphere Firewall Traversal project [C++, Win32API];
  - Developed the signal part of the communication part of client side of a Protosphere version with integration with Microsoft Lync 2013 server and client sides using Microsoft Lync 2013 Unified Communications Web API (REST Web API) [C++, Microsoft Lync 2013 Unified Communications Web API];
- Other various short tasks and problems solving.

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(One project) 6 months

February 2011 (25 years old) — August 2011 (26 years old)

### **Elverils, LLC**

Russia; <https://www.elverils.com>  
the project for AEP Networks (The United Kingdom; <https://www.ultra.group>)

### **Senior Software Developer for one project**

Implemented Remote Desktop Protocol part of a Remote Desktop Protocol client (completely third-party (license) free code) [C++ / OS X].

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2 years 1 month

August 2007 (22 years old) — August 2009 (24 years old)

## Paystation Card Systems, LLC

Russia

### Software Developer

For Public Transportation Monitoring, Statistics and Financial Arrangements System:

- Designed and developed Reporting Module [C#, MSSQL];
- Designed and developed Library for transmitting data via GSM/GPRS modem [C++ / Linux];
- Overseeing and analyzing installing and setting up vehicle-borne equipment in public buses of

Saint-Petersburg (suggestions how to enhance settings and check up parts of the software of the equipment).

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## 2. Related to programming (software engineering) activity education

### 2.1. University education

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5 years (with a pause for a year)

2002 (17 years old) - 2008 (23 years old)

State Saint-Petersburg University of Telecommunications in the name of Bonch-Bruевич M.A.

Russia; <https://www.sut.ru>

#### Communication Networks and Switching Systems Engineer qualification

Faculty of Communication Networks and Switching Systems (later of Infocommunication Networks and Systems)

A scan copy of diploma:

- <https://disk.yandex.ru/i/68TAE106zAvIwxw>
  - <https://cloud.mail.ru/public/gXtn/ak4Tb1Yja>
  - [https://drive.google.com/file/d/1Uq2WS0U\\_WBBkMGeCDWb6Wnm-5cU7XMPw/view?usp=sharing](https://drive.google.com/file/d/1Uq2WS0U_WBBkMGeCDWb6Wnm-5cU7XMPw/view?usp=sharing)
- 

### 2.2. By government certified related to software engineering professional educational courses

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144 hours

September 2021 (36 years old) – October 2021 (36 years old)

ITMO University

Russia (remotely); <https://www.itmo.ru>

#### Machine Learning and Data Analytics

A photocopy of the **certificate 782411993999**:

- <https://disk.yandex.ru/i/EXBI-2N-sP6uQQ>
  - <https://cloud.mail.ru/public/C8qY/ixQLWZ6MQ>
  - [https://drive.google.com/file/d/1yuPYZ4O15tTTf73yv18\\_nDQNaetzCpwnW/view?usp=sharing](https://drive.google.com/file/d/1yuPYZ4O15tTTf73yv18_nDQNaetzCpwnW/view?usp=sharing)
- 

120 hours

February 2021 (35 years old) - April 2021 (36 years old)

Yandex.Practicum (Yandex School of Data Analysis)

Russia (remotely); <https://www.practicum.yandex.ru>

### **Data Analyst**

A photo copy of the **certificate 20212DU00211**:

- <https://yadi.sk/i/fBha0nq1T9Bj6w>,
  - <https://disk.yandex.ru/i/D2m2MUQm2O6rlg>
  - <https://cloud.mail.ru/public/WhfF/xpLm5jozb>
  - [https://drive.google.com/file/d/1\\_OqgUcyJ9J3ML\\_kY6WUdx1zMI61-a96b/view?usp=sharing](https://drive.google.com/file/d/1_OqgUcyJ9J3ML_kY6WUdx1zMI61-a96b/view?usp=sharing)
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## **2.3. Related to programming (software engineering) comparatively long education courses**

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5 years

1995 (10 years old) - 2000 (15 years old)

State Organization of Additional Children Education by Kirovsky District of Saint-Petersburg

### **Learning programming consequentially in in chronological order QBasic, Pascal, C, C++.**

Winning at pupils competitions:

Photocopy of the programs competitions winner certificates:

- State level in program developer the 1st winner diploma in 1999 year:
  - <https://disk.yandex.ru/i/UHtn-YNeW5vuPw>
  - <https://cloud.mail.ru/public/j2Xb/73RLJqiCZ>
  - [https://drive.google.com/file/d/1eRNr0E-BBb9Et\\_ZCohXs3OeNsWKAe6ve](https://drive.google.com/file/d/1eRNr0E-BBb9Et_ZCohXs3OeNsWKAe6ve)
- State level in program developer the 2nd winner diploma in 1999 year:
  - [https://disk.yandex.ru/i/aC\\_pPFv3n7emkw](https://disk.yandex.ru/i/aC_pPFv3n7emkw)
  - <https://cloud.mail.ru/public/9jvn/noS3oxSxy>
  - <https://drive.google.com/file/d/1JFPxWmsXZHPWo1I9sbAMzjkp3uu28SRY>
- State level in program developer the 3rd winner diploma in 2000 year:
  - <https://disk.yandex.ru/i/Glrf-oANjQAre>
  - <https://cloud.mail.ru/public/Xvud/qtTj77Q7H>
  - <https://drive.google.com/file/d/1YyEUPM2wi-5p6fPPKqNtaDEyDL6jv8Yt>
- District level in program developer the 3rd winner diploma in 1999 year:
  - <https://disk.yandex.ru/i/d9MGkXkspkOoTA>
  - <https://cloud.mail.ru/public/ayfc/chxRnmNM>
  - [https://drive.google.com/file/d/1pa4o9mDVMgidP9hkQHd\\_PKOFV2z6-xwE](https://drive.google.com/file/d/1pa4o9mDVMgidP9hkQHd_PKOFV2z6-xwE)

Photocopy of the creativity products competitions winner certificate:

- [https://disk.yandex.ru/i/aG8Z1uOq2Di\\_uw](https://disk.yandex.ru/i/aG8Z1uOq2Di_uw)
  - <https://cloud.mail.ru/public/Bx4D/7kctdy3ZM>
  - [https://drive.google.com/file/d/1bKon\\_zOryrRZAL5EqwMavaUasH38zRYT](https://drive.google.com/file/d/1bKon_zOryrRZAL5EqwMavaUasH38zRYT)
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## **2.4 Related to programming (software engineering) comparatively short educational courses**

From 2018 to 2024 years about 15 online educational courses and 1 offline educational course - almost all of them with certificates which I don't provide here to reduce amount of information in this document.

## 2.5 People languages educational courses

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... 2010 (25 years old) - March 2011 (25 years old)

Glory School

Saint-Petersburg, Russia; License # A 217117

### **Upper-Intermediate level of English**

Photocopy of the certificate:

- [https://disk.yandex.ru/i/Mp\\_wPTICJoCyEA](https://disk.yandex.ru/i/Mp_wPTICJoCyEA)
  - <https://cloud.mail.ru/public/AQgD/RHHjBaBer>
  - [https://drive.google.com/file/d/1UOwkk0CYAGaC1qH\\_9nOHNPJmkVt-MP27/view?usp=sharing](https://drive.google.com/file/d/1UOwkk0CYAGaC1qH_9nOHNPJmkVt-MP27/view?usp=sharing)
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... 2010 (25 years old) - ... 2010 (25 years old)

Glory School

Saint-Petersburg, Russia; License # A 217117

### **Intermediate level of English**

Without providing the certificate here.

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## 3. Testing certifications

### 3.1 Related to programming (software engineering) knowledges testing result certifications

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2014

Brainbench.com

#### **Master C++ Fundamentals C++, C++11**

Internet link: <http://www.brainbench.com/xml/bb/transcript/public/consumer/viewtranscript.xml?pid=11628137>

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2007

Veles academy

#### **ANSI C**

Photocopy of the certificate:

- <https://disk.yandex.ru/i/pdtJnKzxllCWHQ>
  - <https://cloud.mail.ru/public/fUyH/BGKjFdVVE>
  - [https://drive.google.com/file/d/1QIYhiP807IGqGUyv10\\_LyG6-TimLOeHa](https://drive.google.com/file/d/1QIYhiP807IGqGUyv10_LyG6-TimLOeHa)
-



## 3.2 People languages skills testing result certifications

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2015

Duolingo

### **Duolingo Proficiency Exam in English**

Internet link: <https://certs.duolingo.com/q47864m4>

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## 4. Science activity results

Some for future id info:

- ORCID (has not been used yet): <https://orcid.org/0000-0002-7191-063X>

### 4.1. Articles in science journals

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*The investigation in 2016 (31 years old), the publication in 2017*

*Collection of scientific papers of 6<sup>th</sup> International Conference of Advanced InfoTelecommunications (2017)*

#### **(In Russian) "Blockchain Technology: Prospects, Applications, Educational Vacuum"**

PP. 230-234:

- <https://www.sut.ru/doci/nauka/6apino/apino2017-2.pdf>
  - <https://disk.yandex.ru/i/qy-5NmgmGutFzA>
  - <https://cloud.mail.ru/public/SwgQ/UD4WVEC4s>
  - <https://drive.google.com/file/d/1LDXbteME1fCyD2rxG-x5WiL1dkEF5Ba/view?usp=sharing>
- 

### 4.2. Reports at scientific conferences

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2017

*The 6<sup>th</sup> International Conference of Advanced InfoTelecommunications (2017)*

#### **(In Russian) "Blockchain Technology: Prospects, Applications, Educational Vacuum"**

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## 5. Other related to programming (software engineering) achievements

### 5.1. Feedbacks on my works

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Upwork.com

**Jobs history with positive feedbacks in regard to work results**

- In the portfolio at Upwork.com by the link:
  - <https://www.upwork.com/o/profiles/users/~014cb5bd0eacdc3c51>
- Because some time Upwork.com required registration for looking at the info I am providing here corresponding screenshots:

- <https://disk.yandex.ru/d/ctwHAFwVwiw1OA>
  - <https://cloud.mail.ru/public/aEkv/8YPg6QxLd>
  - <https://drive.google.com/file/d/1tBnPVWzZ-E5pg9lDtwmcdagagGhZw7G9/view?usp=sharing>
- 

## **5.2. Activities in software engineering social networks**

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StackOverflow (Software engineering topic questions-and-answers system)

**Account with technical answers for custom user questions**

- <https://stackoverflow.com/users/1790694/arthur-p-golubev>
-

Page for user notes: