



Dmitri Titov

IT consultant / software developer

MSc Diploma in Mathematics

key skills:

web frontend:

React.js, Angular;

Typescript / JavaScript;

Material-UI, HTML/CSS/SASS

backend: Node.js

desktop: Electron.js

residence: Implersstr. 90, DE-81371, München

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Date / Place of Birth 1972 (Minsk, Republic of Belarus)

Citizenship: **German** (since 2009)

Experience in IT: since 1995

Education: University **Diploma** in **Mathematics**
(Moscow Lomonosov University,
Faculty of Mathematics and Theoretical
Mechanics)

Languages: **English** (fluent), **German** (fluent),
Russian (native speaker),
French (good), Spanisch (beginner)

Seeking position: **Frontend Web Developer**
Fullstack Developer (with Node.js as backend)
Electron.js Developer

Programming languages and frameworks: Web-Frontend: **Typescript**,
Javascript

Javascript frameworks: **React.js**, **Angular**,
Ionic, jQuery

Build pipelines: **Webpack**, Gulp, Angular CLI,
Grunt.js
Unit tests: **Jasmine.js**
End-to-end tests: Angular **Protractor**,
Selenium

Layout Coding: **HTML5**, **CSS3**, SVG,
Material-UI, Bootstrap, Ionic

Backend: **Node.js** /
Javascript + Express.js + MongoDB

Backend: **Python** + Django + PostgreSQL

Functional Languages: solved 26 problems
at <https://projecteuler.net> using **Haskell**

Browser Automation: Python / **Selenium**
iPhone Automation: Python / **Appium**
(Appium Info: <http://appium.io>)
System administration: **Python**, Perl,
C#/.NET

Database languages: **SQL**;
Google Query Language for Google DataStore

Databases: **MongoDB**, PostgreSQL, MySQL, Redis, sqlite

Other IT skills: OS: **MacOS**, Windows, Linux, Android
Algorithms, Type Theory, Functional Programming, Category Theory
SCM: **git**, github/gitlab, svn, Perforce
IDEs: IntelliJ **Webstorm**, Sublime Text

Other skills: linear algebra, geometry, cryptography
graphic editors: Adobe Photoshop, gimp

Projects and positions

15.03.2019 – 30.11.2019 (current project) Freelance web developer
at **secunet Security Networks AG** project
<https://www.secunet.com>

mediated by **Etengo AG**
<https://www.etengo.de>

100% remote work

Branch:

- security infrastructure
- medical devices

Area of responsibility:

- developing Electron/ReactJS application
„SignatureProxy“

IT-Umfeld:

- **ReactJS/ElectronJS**
- Javascript/Typescript
- HTML/CSS/SCSS

2.11.2017 – 31.06.2018 Freelance web developer
contract prolongation: at **Swiss Cloud** project (HIAG Data AG, Switzerland)
1.07.2018 - 15.10.2018 <https://hiagdata.com/>

(almost 1 year, in total) mediated by
 arcworx GmbH & Co. KG
 <http://www.arcworx.biz>
 and **ComputerFutures**
 <https://www.computerfutures.com>

100% remote work

Branch:

- cloud computing

Area of responsibility:

- developing Angular application
 „Swiss Cloud Portal“

IT environment:

- **Angular 5**
- **Typescript**
- Unit-Testing with Jasmine.js
- end-2-end testing with Selenium / Protractor
- git / gitlab workflow, JetBrains WebStorm

21.08.2017 – 31.10.2017 Freelance web developer
(approx. 2 months) at **MCL Computer & Zubehör GmbH**
 <https://mcl.de>

 mediated by **ComputerFutures**
 <https://www.computerfutures.com>

100% remote work

Branch:

- E-commerce

Area of responsibility:

- developing of unit- und end-2-end- tests for
 several Angular applications

IT environment:

- **Angular 4**
- **Typescript**
- Unit-Testing mit Jasmine.js
- end-2-end Testing mit Selenium / Protractor

17.10.2016 – 31.05.2017 Freelance web developer
(6.5 months)

at **Siemens** project (Switzerland, canton Zug),
www.siemens.com

mediated by **GULP Schweiz AG**
www.gulp.ch

Branch:

- Electrical equipment, software development

Area of responsibility:

- Developing of **ABT-BIM** web application (GUI for electrical hub configuration tool)

IT environment:

- **Angular 2**
- **Typescript**
- HTML / CSS / SASS
- Unit-Testing with Jasmine.js
- end-2-end Testing with Selenium / Protractor
- gulp, git workflow, webpack, JetBrains WebStorm

8.08.2016 – 30.09.2016 Freelance web developer
(approx. 2 months)

at **E.ON** Projekt,
www.eon.de

mediated by Interone GmbH
www.interone.de

Branch:

- energy, software development

Area of responsibility:

- developin of **E.ON Aura Manager** web application (remote control for solar panels)

IT environment:

- **Angular** 1.5, Ionic
- **Javascript**
- HTML / CSS / SASS
- Agile / Scrum

14.07.2015 – 31.07.2016 Freelance web developer
(1 year)

at **Daimler** project
www.daimler.com

mediated by Interone IT-Designers GmbH
www.it-designers-gruppe.de

Branch:

- Automotive, Software development
- IT-Designers GmbH is Daimler's partner for software development

Area of responsibility:

- Developing of **Mercedes Benz** „remote control“ web application (Mercedes-Benz CONNECT)
- complicated **Angular/Ionic** web application
- 100 000+ lines-of-code (JS/HTML/CSS)
- 4500+ Unit Tests
- responsive and optimized for mobiles devices

IT environment:

- **Angular** 1.3-1.5, **Ionic** 1.2
- **Angular 2 (Pilot-Projekt)**
- **Javascript** (ES6), Typescript
- HTML / CSS / SASS
- Unit-Testing with Jasmine.js
- end-2-end Testing with Selenium / Protractor
- Grunt.js, git workflow, webpack, WebStorm-IDE
- Agile / Scrum

06.2013 – 13.07.2015
(approx. 2 years)

Web Solutions Engineer

permanently employed at
Vision11 GmbH (partner of Audi)
www.visioneleven.com

Branch:

- SAP CRM Beratung, Automated Testing
- Vision11 is a strategic partner of Audi for SAP CRM and application testing

Area of responsibility:

- Design and implementation of web applications using Django Framework, Selenium and Google AppEngine.

- Selenium API was used to perform automated functional testing of <http://my.audi.com>. The internal name of this application was Turbotest. It was created from ground up by me using Python and Javascript programming languages and Django web framework.
- HTML layout and system administration tasks belonged exclusively to my responsibility.
- Design and implementation of automated testing tool for myAudi iPhone application (using Appium API). A set of use cases was coded by me emulating most of user interaction with myAudi app developed by Audi for its customers.

IT environment:

Python, Javascript, Selenium, Appium, HTML5, CSS, Django, PostgreSQL, sqlite, MacOS, Linux

08.2012 – 01.02.2013
(5 months)

(In parallel to work
at Crytek GmbH)

Freelance web developer

at **ADAC e.V.** project
www.adac.de

100% remote work

Branch:

- Germany's biggest Automobile club

Area of responsibility:

- Design and implementation of „ADAC Disposim“ Online Simulator, a web application to improve selection process when hiring persons aspiring to be ADAC dispatchers. Application simulates challenges of real-life dispatchers' work of assigning repair cars to accidents. Project was successfully completed in due time.

IT environment:

Java, Play! Framework, Javascript/HTML5/CSS, MySQL, Tomcat, jQuery, SVG, Canvas, Python, Inkscape, Eclipse, PDF Generation.

04.2008 – 05.2013
(5 years)

Build Engineer

permanently employed at **Crytek GmbH**
www.crytek.de

Branch:

- Videogames, 3D engines, iOS games

Area of responsibility:

- Design and implementation of Crytek's proprietary build system (C#, .NET). Support of Crytek's legacy build system (Perl).
- New features implementation for Shader Cache build system (Perl).
- Support and new features for Confluence Documentation Export Tool (Perl);
- Design, implementation and support of Test and Telemetry Systems (Perl, Python); design, implementation and support of Server Availability Monitor (Java)
- Implementation of Release Notes Consolidator Tools (Python + Pmw GUI Framework)

IT environment:

Windows, MacOS, C#/.NET, Python, Perl

10.2000 – 01.2007
(7 years)

Senior System Engineer

permanently employed at **Braun GmbH**
www.braun.de

Branch:

- consumer goods

Area of responsibility:

- Member of Gillette's Global Messaging Team. Support of email servers for its Germany-based Braun branch and for Gillette's main office in USA (very large system, approx. 30,000 users)
- Database administration, support of messaging infrastructure
- Development of user registration tool in C/C++ (Lotus Notes C API)
- Development of Mailbox Unlocker Tools C/C++ (Lotus Notes C API)
- Development of Mailbox Size Monitors in Lotus Script.

- Development of Spam Reporting und Analysis Tools in Lotus Script
- Support of Migration from Lotus Notes to Microsoft Exchange

IT environment:

Windows, XP, 2000, IBM Lotus Notes/Domino, Lotus Script, C/C++

02.1999 – 10.2000
(approx. 2 years)

Software Engineer

permanently employed at **IBA** Joint Venture
(Minsk, Republic of Belarus)

www.iba.by

IBA is a subsidiary of **IBM Deutschland**

www.ibm.de

Branch:

- IT consulting

Area of responsibility:

- design of IBM Lotus Domino application SCIS
(Supply Chain Information System)

IT environment:

Windows 2000, IBM Lotus Notes/Domino,
LotusScript, C/C++, IBM DB2, IBM WebSphere

04.1997 - 01.1999
(approx. 2 years)

Financial Analyst

permanently employed at
National Bank of Republic of Belarus
(Minsk, Belarus)
www.nbrb.by

Branch:

- banking, government regulators

Area of responsibility:

- Support of "Liquidity Analysis Systems" in the department of Monetary Policy

IT environment:

Windows 95, Visual Basic, MS-Office Macros, (Word, Excel, Access), Foxpro Database

03.1996 – 04.1997
(approx. 1 year)

Financial Analyst

permanently employed at **Vneshekonombank**
(Minsk, Belarus)
www.bveb.by

Branch:

- commercial banking

Area of responsibility:

- developing of new financial services for the market of Republic of Belarus

IT environment:

Windows 95, Visual Basic, MS-Office Macros (Word, Excel)

10.1995 – 03.1996
(6 months)

Financial Analyst

permanently employed at **Priorbank**
(Minsk, Belarus)
www.priorbank.by

Branch:

- commercial banking

Area of responsibility:

- developing of Excel macros in Visual Basic

IT environment:

Visual Basic, MS-Office Macros (Word, Excel)

Education

10.1995 – 12.1998
(3 years)

Remote study of **finances and banking**
(graduated with diploma) at Business School in
Minsk, Belarus

www.bseu.by

10.1989 – 9.1995
(6 years)

Study of **Mathematics**
(graduated with **MSc Diploma**)

at Moscow Lomonosov University
(MSU, Moscow State University)

faculty: Geometry and Topology

www.msu.ru/en

Diploma work:
"Pseudocontractability of topological spaces"

Diploma grade: 1.3 (adjusted to European system)
General grade: 1.5 (adjusted to European system)

06.1988 – 06.1989
(1 year)

Mathematical College for **gifted students**

www.pms.ru

at Moscow Lomonosov University
(Moscow, Russian Federation)

www.msu.ru/en

High School Graduation
grade: 1.2 (adjusted to European system)

09.1979 – 06.1988
(9 years)

Secondary School in Minsk, Belarus