Dmitry Mugtasimov
Senior Python Developer / Team Leader

dmugtasimov@gmail.com
https://www.upwork.com/fl/dmugtasimov
Skype: dmugtasimov

Specialization

- Back-end implementation from scratch
  - HTTP REST API (based on Django, Flask or Falcon), HTTP RPC API (HTTP/JSON-RPC, HTTP/SOAP), GraphQL API, Non-HTTP API (WAMP over WebSockets, ZeroRPC over ZeroMQ, Kafka consumer/producer interface)
  - Database performance optimization (PostgreSQL, MySQL, Redis)
  - High performance data processing (algorithm optimization, Python C extensions, Cython, PyPy)
  - Command Line Tools (JSON, CSV, XML, YAML, MessagePack, pandas, SciPy, NumPy)
  - Web Scraping (Scrapy, Beautiful Soup, Requests, Selenium, PhantomJS)
- Refactoring or rewriting prototypes into production quality implementations
- Setup and improvement of development process
- Back-end and full-stack team management

Professional Experience

20 years of professional experience in information technology (overlapping):
- 6 years of software development in Python (+ 4 years of software development in other languages)
- 8 years of managerial experience
- 8 years of software quality assurance
- 5 years of system administration

Jun 2016 – now, Senior Python Developer / Team Leader at Upwork

Top rated ● 100% Job Success Score ● 2100+ hours worked at Upwork ● Outstanding client feedback ● Fluent English

Jun 2017 – now, Packy (network monitoring), *packy.io*, Senior Python Developer

- Implemented 3 back-end components (REST API server, WAMP/WebSockets API server, monitoring agent) of distributed network monitoring system
- Python 2.7, Python 3.6, JavaScript, Django, Django REST Framework, Celery, Crossbar, Flask, gevent, PostgreSQL, RabbitMQ, Schematics, Docker, git, HTTP, WAMP, WebSockets, HTML, JSON, YAML, PyCharm, Linux (Ubuntu)

Jan 2017 – Aug 2017, CreditSCRIPT (finances), *www.creditscript.com*, Senior Python Developer

- Developed 7 high performance loan bidding micro-services integrated via Kafka bus
- Python 3.5, Python 2.7, Flask, Flask-GraphQL, Flask-RESTful, gevent, asynchronous programming, PostgreSQL, MySQL, Cassandra, Kafka, RabbitMQ, SQLAlchemy, Alembic, Schematics, GraphQL, graphene, Docker, git, Prosper API, HTTP, JSON, YAML, PyCharm, Linux (Ubuntu)

Dec 2016 – May 2016, Trounceflow (financial data analysis), *www.trounceflow.com*, Python Team Leader

- Managed a team of Python developers and refactored a web scraping back-end for financial data analysis application
- **Client's feedback:** "Dmitry is a very strong developer and a good communicator. Thank you Dmitry!"
- Python 3.5, HTML, PDF and XLS/XLSX data scraping and parsing, Django 1.10, AWS S3, PostgreSQL, SQLITE3, Schematics, Heroku, git, PyCharm, Linux

Oct 2017 – Jan 2017, Semilimes (SaaS ERP), *www.semilimes.com*, Senior Python Developer

- Developed back-end and front-end of SaaS ERP on-boarding questionnaire with Flask and SQLAlchemy
- **Client's feedback:** 5 stars
- Python 2.7, Python 3.5, HTML, JavaScript, CSS, jQuery, JSON, JSON-RPC, XML, Tryton, Flask, Django, Django REST Framework, Werkzeug, Jinja2, PostgreSQL, git, PyCharm, Linux (Ubuntu)

Jul 2016 – Jan 2017, Carpe (finances, hired indirectly), *www.carpe.com*, Senior Python Developer

- Developed a high performance Falcon-based and ZeroRPC-based back-end servers for a personal finance management company
- **Client's feedback:** "Dmitry is an experienced Python developer, with great English skills too (among the best I've seen on Upwork), so you can have a Skype call and discuss plans quickly instead of writing long emails. He can do complex projects that many other developers would have difficulty with. Good developer, would recommend to others."
- Python 2.7, Python 3.5, PyPy2.7, Cython, Lua, JavaScript, SQL, JSON, MessagePack, HTML, Falcon, gevent, gunicorn, uWSGI, SQLAlchemy, Alembic, Schematics, PeeWee, PostgreSQL 9.5, Redis, ZeroMQ, ZeroRPC, Linux (Ubuntu), AWS EC2/S3, nginx, Supervisor, boto3, git, PyCharm, Asana, unittest, pytest

Jun 2016 – Nov 2016, Diamond Mine (bioinformatics), *diamondmine.io*, Senior Python Developer

- Developed back-end and front-end for a web application to find correlation in user submitted blood samples data to help finding a cure for diabetes
- **Client's feedback:** "Dmitry's English is perfect. His commitment to the project was exemplary for a contractor. Notably, he was very capable at implementing new functions in our code base, as well as refactoring code from other contributors. His background in QA really shines through."
- Python 2.7, Python 3.5, SQL, MessagePack, CSV, HTML, Django 1.9, Celery, PostgreSQL, RabbitMQ, pandas, Linux (Ubuntu), nginx, uWSGI, git, PyCharm

Jun 2015 – Aug 2016 (1 year and 2 months), Platform T (Uber-like taxi service startup seed funded by SAPRUN, www.saprun.com), Python Team Leader and Software Architect

- Designed a horizontally scalable system architecture of an Uber-like taxi business automation system (4 HTTP REST APIs, WAMP Pubsub API and WAMP RPC API available for 2 Android, iPhone and Desktop applications).
- Established the software development process from scratch based on agile practices.
- Hired the back-end development team.
- Performed team leader role of a distributed team (3 locations) of Python back-end developers.
- Developed and refactored back-end part of the system.
- Participated in the project management to fill the gaps of project manager's experience and skills on managing an agile startup project
- Python 2.7, Django 1.8, Django REST Framework 3.3, Celery, JavaScript, Crossbar, Autobahn, Twisted, Tornado
- Linux (Ubuntu 14.04), PostgreSQL, SQL, Redis, RabbitMQ, uWSGI, nginx, Asterisk, Odoo
- HTTP, WAMP over WebSockets, SIP, JSON, YAML, HTML, CSS
- git, PyCharm, Jira, Jenkins, Ansible, unittests, Behave

Mar 2012 - Jun 2015 (3 years and 3 months), Lamoda (largest Russia and CIS fashion e-commerce company), www.lamoda.ru, Senior Python Developer

- Developed largest Russia and CIS fashion e-commerce website back-end from scratch (as a member of a back-end development team): business logic and data access library, SOAP and HTTP/JSON public API and Solr-based full text and faceted search service.
- Implemented feature requests and bug fixes for various parts of Lamoda's e-commerce website: back-end, front-end, full text and faceted search, data export and import.
- Interviewed python developer candidates.
- Reviewed code and performed release management.
- Python 2.7, Java, SQLAlchemy, Spyne, Tornado, Django, SQL, JavaScript, jQuery
- Linux (Ubuntu, Debian), PostgreSQL, MySQL, Solr, Sphinx, Apache Tomcat, Redis, uWSGI, nginx
- HTTP, SOAP, JSON, XML, HTML, CSS, git, PyCharm, Jira, Jenkins, maven

Other

- Aug 2011 - Mar 2012, Govoritter, govoritter.com, startup project (Python technology stack)
- Aug 2010 - Aug 2011, Grid Dynamics, www.griddynamics.com, QA Lead
- Feb 2008 - May 2010, Neoflex, www.neoflex.ru, Head of Software Testing Department
- Jul 2007 - Feb 2008, Google Inc. (contract), www.google.com, Localization Testing Specialist
- May 2003 - Jul 2007, Amphora Group, www.amphora-group.ru, Senior Quality Engineer
- Dec 2002 - Mar 2003, Microtest, www.microtest.ru, Test Engineer
- Jan 2002 - Dec 2002, Trinity Logic Corp., www.tl-c.ru, Oracle Database Administrator, Developer
- Jul 1996 - May 2001, Altyn Ay (Almetyevsk), Programmer, Senior System Administrator

Education

June 2006, MSTU "Stankin", Master of Technics and Technology Diploma (with honors)

Top 10% of HackerRank's Contest and Practice Leaderboards: https://www.hackerrank.com/dmugtasimov

Primary Technology Stack

Python 3, Python 2.7, Flask, Flask-GraphQL, Flask-RESTful, Django, Django REST Framework, gevent, SQLAlchemy, Alembic, Spyne, Celery, PostgreSQL, MySQL, SQL, Redis, Solr, Sphinx, RabbitMQ, Docker, Ansible, uWSGI, nginx, Linux, HTML/CSS/JavaScript/jQuery, HTTP, REST, GraphQL, WAMP, WebSockets, TCP/IP, git, unittests, pytest, PyCharm, Jira, Jenkins

Secondary technology stack

PyPy, Cython, Lua, Falcon, gunicorn, Tornado, Twisted, Crossbar, Autobahn, ZeroMQ, Java, C/C++, SOAP, PHP, Perl, Pascal, Assembler x86, Assembler Z80, FoxPro, 1C:Enterprise built-in language, DXL, Basic, VBA, SQABasic, PL/SQL, T-SQL, TCL, VU, AEL, Shell-scripts, XML, XSLT, XPath, UML, IDEF0, JUnit, Android SDK, Asterisk, Oracle 8i/9i Server, MS SQL Server 2000, DB2, Microsoft Access, Derby, Apache HTTP Server, Apache Tomcat, gradle, maven, Ant, JUnit, Development for Android, Android SDK, Android Studio, IntelliJ IDEA, Eclipse, NetBeans for Java and PHP, gcc, Visual C++ 6.0, Visual FoxPro 5.0, Visual Basic 6.0, Atlassian Confluence, VSS, CSV, HP QC, HP BPT, HP QTP HP WinRunner, Rational Test Suite, Telelogic DOORS, BPwin 4.0, Inflectra SpiraTest, TestLink, Selenium IDE/WebDriver, soapUI, JMeter, Behave, lettuce, RUP (Test discipline), ITIL, Requirements Analysis, Functional/Manual/Automated/Load Testing, Windows, Microsoft Office

Non-technical Skills and Experience

Fluent English (IELTS Overall Band Score: 7.0, 2009), native Russian, basic knowledge in accounting and banking, lecturing and presentation experience, driving license (category B)

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Specialization

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  - HTTP REST API (based on Django, Flask or Falcon)
  - HTTP RPC API (HTTP/JSON-RPC, HTTP/SOAP, WAMP over WebSockets)
  - GraphQL API
  - Non-HTTP API (WAMP over WebSockets, ZeroRPC over ZeroMQ, Kafka interface)
  - Database performance optimization (PostgreSQL, MySQL, Redis)
  - High performance data processing (algorithm optimization, Python C extensions, Cython, PyPy)
  - Command Line Tools (JSON, CSV, XML, YAML, MessagePack, pandas, SciPy, NumPy)
  - Web Scraping (Scrapy, Beautiful Soup, Requests, Selenium, PhantomJS)
- Refactoring or rewriting prototypes into production quality implementations
- Setup and improvement of development process
- Back-end and full-stack team management

Professional Experience

20 years of professional experience in information technology (overlapping):
- 6 years of software development in Python
- 10 years of software development in total
- 8 years of managerial experience
- 8 years of software quality assurance
- 5 years of system administration

Freelancer at Upwork, www.upwork.com

Role and Responsibilities	Details
From June 2016 to now	
Senior Python Developer / Team Leader • Implemented 3 back-end components (REST API server, WAMP/WebSockets API server, monitoring agent) of distributed network monitoring system for Packy • Developed 7 high performance loan bidding micro-services integrated via Kafka for CreditSCRIPT (finances) • Management of a team of Python developers and refactoring a web scraping back-end of financial data aggregation and analysis system for Trounceflow (finances) • Architecture design and development of	**Achievements** • Attracted long-term clients • Top rated • 100% Job Success Score • Outstanding client feedback • 2100+ hours of Upwork experience • Verified English fluency (by clients) **Technology Stack** Python 3, Python 2.7, PyPy2.7, Cython, Lua, JavaScript, SQL, Flask, Flask-GraphQL, Flask-RESTful, Django, Django REST Framework, Falcon, Werkzeug, Tryton, Celery, Crossbat, Jinja2, uWSGI, gevent, gunicorn, uWSGI, SQLAlchemy, Schematics, PeeWee,

SaaS ERP subsystems with Python technology stack for Semilimes (SaaS ERP) • Architecture design and development of various web-based subsystems with Python technology stack for Carpe (finances) • Architecture design and development of various web-based subsystems with Python technology stack for Diamond Mine (bioinformatics)	PostgreSQL, MySQL, Redis, RabbitMQ, ZeroMQ, ZeroRPC, Cassandra, Kafka, JSON-RPC, JSON, YAML, MessagePack, GraphQL, REST API, HTTP, WAMP, WebSockets, HTML, CSS, jQuery, XML, PDF, XLS/XLSX, data scraping and parsing, pandas, Linux (Ubuntu), AWS EC2/S3, Docker, Heroku, boto3, Supervisor, nginx, git, PyCharm, unittest, pytest

Platform T (seed funded by SAPRUN, www.saprun.com)

Role and Responsibilities	Details
From June 2015 to August, 2016	

Python Team Leader and Software Architect
 	
• System architecture design of an Uber-like taxi business automation system
• Python back-end developers team management (distributed team):
    • Describing, decomposing and assigning tasks
    • Code review
    • People management
• Python back-end refactoring and development
• Release management
• Interviewing Python Developer candidates of various grades
• Involvement in project management
	Achievements
	
	• Designed and implemented a horizontally scalable architecture of a comlex taxi business automation system.
	• Established agile-based development process from scratch: weekly sprints, releases and deployments, continuous integration, unit-testing, code review, emergent design and refactoring
	
	Technology Stack
	
	Python 2.7, Django 1.8, Django REST Framework 3.3, Celery, Linux (Ubuntu 14.04), PostgreSQL, SQL, Redis, RabbitMQ, uWSGI, nginx, Asterisk, HTTP, WAMP over WebSockets, SIP, JSON, YAML, git, PyCharm, Jira, Jenkins, Ansible, unittests, Behave, Crossbar, Autobahn, Tornado, Twisted

Lamoda (largest Russia fashion e-commerce company), www.lamoda.ru

Role and Responsibilities	Details
From September 2013 to June 2015	
Senior Python Developer The same as for Python Developer position (see below).	**Technology Stack** The same as for Python Developer position (see below).
From March 2012 to August 2013	
Python Developer • Development of business logic and data access library, SOAP and HTTP/JSON API from scratch • Development of Solr-based full text and faceted search backend • Implementation of feature requests for various parts of high load web-shop: • Back-end and front-end	**Achievements** • Successfully proved ability to perform Python Developer tasks as a team member • Was promoted to Senior Developer in one and a half year • Contributed to SQLAlchemy, Spyne and stdeb to satisfy development needs

Role and Responsibilities	Details
- Full text and faceted search - Data export/import - Bug fixes - Code review and Release management - Interviewing Python Developer candidates	**Technology Stack** Python, Java, SQLAlchemy, Spyne, Tornado, Django, Linux (Ubuntu, Debian), PostgreSQL, MySQL, SQL, Solr, Sphinx, Apache Tomcat, Redis, uWSGI, nginx, HTTP, SOAP, XML, HTML, CSS, JavaScript, jQuery, PHP, git, PyCharm, Jira, Jenkins, maven

Govoritter, *govoritter.com*

Role and Responsibilities	Details
From August 2011 to March 2012	
Founder - Software Development of the service components - Software Testing: unit and functional testing (automated and manual) - System Administration of production environment of the service - Web Design - General administration and promotion of the service	**Achievements** - Learned technologies which was not familiar with before: Asterisk, Django, jQuery - Developed a prototype of model-based test generation software **Technology Stack** Python, Django, Linux (Ubuntu, CentOS), Git, HTML, CSS, JavaScript, PHP, jQuery, Apache HTTP Server, MySQL, Asterisk, SIP Stack, dailplan, AEL, lettuce, Selenium IDE/WebDriver, GIMP, Inkscape

Grid Dynamics, **www.griddynamics.com**

Role and Responsibilities	Details
From August 2010 to August 2011	
QA Lead - Leading up to 5 software test engineers - Establishing software testing technology in a constantly improving agile environment - Establishing software requirement management process in an agile environment - Designing manual test cases and development automated test cases in Python - Execution of manual and automated test cases	**Achievements** - Managed to adapt myself to an agile and quickly changing software development environment and deliver high quality testing - Learned Python **Projects** - PayPal Cloud – building PaaS layer of computing cloud: Functional and Non-functional testing - OpenStack Test Harness – creating automated test suite and underlying infrastructure for OpenStack Compute IaaS layer of computing cloud: review of developed test suite architecture, code, test coverage, documentation, etc. **Technology Stack** Python, Linux (Ubuntu, CentOS, RHEL), Git, HTML, CSS, JavaScript, Apache HTTP Server, MySQL, Hudson/Jenkins, Greasemonkey, lettuce, Bash scripting, JMeter, TestLink, Atlassian Jira, Atlassian Confluence

Role and Responsibilities	Achievements and Projects
From February 2008 to May 2010	
Head of Software Testing Department • Development and adoption of software testing technology based on RUP recommendations and personal experience • Staff management of up to 7 software test engineers: candidates interviewing, motivation, education, assigning professional goals and estimating progress, etc • Human resource management to insure utilization KPIs • Lecturing on functional and non-functional testing to company staff • Participation in presale activities on software testing services: technical presentations for potential clients, proposal preparation, work and project structure estimation • Participation in preparation of marketing materials on software testing services • Participation in software testing projects as project manager and technical expert: 2 performance testing projects	**Achievements** • Raised the number of software test engineers in the company from 0 to 7 employees • Developed and introduced defect management regulations for the entire company (on base of Atlassian JIRA) • Introduced functional testing management system – Inflectra SpiraTest • Produced and placed in use a number of regulatory documents: Software testing engineer's guide, Project manager's guide in software testing, Software testing required work estimation model, Test Plan template for functional software testing, Test Report template for functional software testing, Skill estimation test, Skill Matrix **Projects (technological supervision)** • Rusfinance Bank: Volume testing of Equation banking system • Renaissance Credit: Load testing of loan application and processing system • Russian Agricultural Bank: Functional testing of loan application and processing system • Bank of Khanty-Mansiysk: Functional testing management reporting system based on DWH • HSBC: Functional integration and regression testing of IT-landscape of two banking systems • BANCA INTESA: Functional integration testing of IT-landscape of Internet-banking and banking system • Renaissance Investment Management: Functional system and regression testing of front-office system • KITFinance: Functional component testing of integration adapter for banking system • Metcombank: Functional integration testing of IT-landscape of CRM, banking system and two back-office card processing systems **Technology Stack** Inflectra SpiraTest, VSS, RUP (Test discipline), Microsoft Office (incl. PowerPoint, Visio, Project)

Google Inc. (contracted by Kelly Services), *www.google.com*

Role and Responsibilities	Achievements and Projects
From July 2007 to February 2008	
Localization Testing Specialist • Functional testing of new Google products and localized features of existing Google products	**Achievements** • Developed a couple of automated testing frameworks (especially model-based testing) which improved work productivity and quality of functional testing **Projects** • «Did You Mean» feature functional testing – development of automated tests for (reverse-) model-based testing and test execution • Google Toolbar unit converter feature functional testing – requirement review and analysis, test case development and execution • Russian synonyms generation system functional testing – development of automated tests for model-based testing (comparison to static model) and test execution **Technology Stack** Perl, Windows XP

Amphora Group, *www.amphora-group.ru*

Roles and Responsibilities	Achievements and Projects
From April 2005 to July 2007	

Quality Assurance Expert
 	
• Participation in presale activities: work estimation
• Interviewing candidates for software testing vacancies
• Review, development and adoption of functional testing technology and processes
• Lecturing on advanced functional testing methods to software testing specialists
 	
Senior Quality Engineer
 	
• Managing a group of up to 12 technical specialists
• Test plan writing (functional testing)
• Test requirements development
• Automated test scripts development
• Controlling the quality of software testing activities and artifacts:
   o Test case development
	Achievements
	
	• Set up an outsourced functional testing department in a one of the largest banks in Russia
	• Successfully completed:
	   o 5 functional testing projects
	   o 2 automated regression testing projects
	• Introduced technologies:
	   o Manual data-driven tests
	   o Agile component-based automated test model
	   o Model-based testing and automated test data generation
	• Preparation and regular lecturing on advanced functional testing methods to software testing specialists
	
	Projects
	
	• Raiffeisenbank: Functional testing of loan origination and processing system – Capstone for Consumer Credit

- o Test case execution - o Defect reporting - Education and motivation for software testing specialists	- Alfabank: - o Consulting project on requirements and software testing management (software testing automation part) - o Functional testing of loan origination and processing system – Consumer Credit - o Functional testing of Internet banking system – Alfa-Click - o Functional testing of mobile banking system – Alfa-Mobile - o Regression testing automation for mobile banking system – Alfa-Mobile - VimpelCom: Functional testing of balance transfer service automation for BeePay billing system - Megafon: Building a software testing competence center (software testing technology description and document templates development) **Technology Stack** HP Quality Center, HP Business Process Testing, HP QuickTest Pro, HP WinRunner, Telelogic DOORS, TCL , MS SQL Server 2000, T-SQL, DB2, VBA, Microsoft Access, XSLT, XML, XPath, Batch-files, Windows 2000/XP

From February 2004 to March 2005

Senior Quality Engineer - Managing a group of up to 3 technical specialists - Communication with customer's technical experts - Functional testing: - o Test plan writing - o Test requirements development - o Test case development - o Test case execution - o Defect reporting - Non-functional testing: - o Test plan writing (load testing) - o Test results analysis and Test report writing - o Optimizing Oracle SQL-queries - o Load scripts development (VU, VB and Java)	**Achievements** - Successfully completed 3 load testing projects as Senior Quality Engineer - Developed a production environment cloning technology which was used as a base to accomplish a number of huge projects in MTS - Developed a change control tool that compares formally specified changes with the actual changes in the environment (files, Windows registry, database structure and content) - Was promoted to Team Lead role to set up an outsourced functional testing department in a one of the largest banks in Russia **Projects** - Sberbank: - o Load testing of GBK – a 3-tier general ledger banking system - o Load testing of Billing center banking system - o Load testing of Gamma banking system - MTS: Development and adoption of change control and software support process for billing system in production environment

	Technology Stack Rational TestManager, Rational Robot, Rational Quantify, Java, CORBA, VU-scripts, Visual Basic 6.0, Oracle 8i/9i Server, SQL, Windows
From May 2003 to February 2004	
Test Engineer • Ad-hoc functional testing and defect reporting • Load scripts development (VU, VB and Java) • Load scripts execution • Development of a Rational Robot Add-in for DCOM-protocol load script recording (in Visual C++ 6.0)	**Achievements** • Developed a Rational Robot Add-in for DCOM-protocol load script recording that enabled to run new load testing project • Was promoted to Senior Quality Engineer in a less than a year **Projects** • **Sberbank:** Load testing of GBK – a 3-tier general ledger banking system • **Sberbank:** Development of a Rational Robot Add-in for DCOM-protocol load script recording **Technology Stack** Rational TestManager, Rational Robot, Rational Quantify, Rational ClearQuest, Visual C++ 6.0, C/C++, Visual Basic, Windows

Microtest, *www.microtest.ru*

From	To	Role and Responsibilities
December 2002	March 2003	**Test Engineer** • Test documentation writing • Load scripts development (Java, T-SQL, VBA) • Analyzing available ways of performance optimization **Technology Stack** Java, T-SQL, VBA, CVS, Windows

Trinity Logic Corp., *www.tl-c.ru*

From	To	Roles and Responsibilities
January 2002	December 2002	**Developer** • Prototyping task tracking software (Java, Swing, JDBC, Oracle 8i) • Business process modeling in IDEF0 **Oracle Database Administrator** • CIS Monopoly application administration • Oracle 8i administration

		Technology Stack Java, Swing, JDBC, Oracle 8i, IDEF0, Windows

Altyn Ay, Almetyevsk

Roles and Responsibilities	Achievements
From July 1996 to May 2001	
Programmer - Developing software for internal use in Visual FoxPro 3.0 - Introduction of 1C:Enterprise. Complex configuration - Development of system administration automation tools **Senior System Administrator** - Local network and workstation administration - Managing an assistant system administrator **Technology Stack** Visual FoxPro 3.0, 1C:Enterprise built-in language, Windows 95/98/NT/2000, MS-DOS	- Developed a cash-desk automation software that helped to pass formal inspection - Published 30 articles for local newspaper popularizing personal computers and related areas - Developed a special tool that enabled an unskilled person to recover operating system (Windows 95) in 10 minutes

Titul, Almetyevsk

From	To	Role/Responsibilities
February 2001	April 2001	**Freelance developer** - Introduction of 1C:Salary
February 1999	April 2000	**Freelance developer** - Development and support of add-in for BEST2 (accounting software) in Visual FoxPro 5.0 - Development and support of "DrugStore" - a drug prescription registration application (Visual FoxPro 5.0) **Technology Stack** Visual FoxPro 5.0

Education

- June 2006, Moscow State Technological University "Stankin", Master of Technics and Technology Diploma (with Honors)
  - o Specialization in technology, equipment and automation of engineering industries
  - o Graduate work title: Research in methods of improving PC-based Computer Numeric Control Systems flexibility
  - o Average score is 5 out of 5
- June 2004, Moscow State Technological University "Stankin", Bachelor of Technics and Technology Diploma (with Honors)
  - o Specialization in technology, equipment and automation of engineering industries
  - o Graduate work title: Engineering a spindle unit for a milling center
  - o Average score is 4.88 out of 5
- June 2000, Almetyevsk Tatar-Turkish Lyceum, Compulsory education certificate (advanced English studies), average score is 4.64 out of 5

Top 10% of HackerRank's Contest and Practice Leaderboards: https://www.hackerrank.com/dmugtasimov

Primary Technology Stack

Python 3, Python 2.7, Flask, Flask-RESTful, Flask-GraphQL, Django, Django REST Framework, gevent, SQLAlchemy, Alembic, Celery, Spyne, PostgreSQL, MySQL, SQL, Redis, Solr, Sphinx, RabbitMQ, Docker, Ansible, uWSGI, nginx, Linux (Ubuntu), JSON, YAML, MessagePack, CSV, XML, HTML/CSS/JavaScript/jQuery, HTTP, REST, GraphQL, WAMP, WebSockets, TCP/IP, git, unittests, pytest, Behave, PyCharm, Jira, Jenkins

Secondary Technology Stack

PyPy, Cython, Lua, Falcon, gunicorn, Tornado, Twisted, Crossbar, Autobahn, Schematics, ZeroMQ, ZeroRPC, Supervisor, Java, C/C++, SOAP, PHP, Perl, Pascal, Assembler x86, Assembler Z80, FoxPro, 1C:Enterprise built-in language, DXL, Basic, VBA, SQABasic, PL/SQL, T-SQL, TCL, VU, AEL, Shell-scripts, XSLT, XPath, UML, IDEF0, JUnit, Android SDK, Asterisk, Oracle 8i/9i Server, MS SQL Server 2000, DB2, Microsoft Access, Derby, Apache HTTP Server, Apache Tomcat, gradle, maven, Ant, JUnit, Development for Android, Android SDK, Android Studio, IntelliJ IDEA, Eclipse, NetBeans for Java and PHP, gcc, Visual C++ 6.0, Visual FoxPro 5.0, Visual Basic 6.0, Atlassian Confluence, VSS, CVS, HP Quality Center, HP Business Process Testing, HP QuickTest Pro, HP WinRunner, Rational ClearQuest, Rational Robot, Rational TestManager, Rational Quantify, Telelogic DOORS, BPwin 4.0, Inflectra SpiraTest, TestLink, Selenium IDE/WebDriver, soapUI, JMeter, lettuce, RUP (Test discipline), ITIL, Requirements Analysis, Functional Testing, Load Testing, Test documentation development, Test Case Automation, Load Scripts development, Manual Testing, Defect Reporting, Windows, MS-DOS, Microsoft Office (including PowerPoint, Visio, Project)

Non-technical Skills and Experience

- Fluent English (IELTS General Training Overall Band Score: 7.0, 2009)
- Native Russian
- Basic knowledge in accounting and banking
- Lecturing and presentation experience
- Driving License (category B)

Portfolio Projects

Name	Description	Technology Stack	Years	SLOC*
-	Digital currency arbitrage bot	Python 3, gevent, SQLAlchemy, Schematics, PostgreSQL, JSON, YAML, Docker, AWS EC2/RDS, Linux	2017 - now	2100
-	Carpooling social network	Python, Java, Django, Django REST Framework, Linux (Ubuntu), Android SDK, Git, HTML, CSS, nginx, PostgreSQL, REST, gradle	2013 - 2015	6 000
TaxiBot	Automated taxi order auto accepting service (by prefered order pattern) - for 2 different taxi services	Python, Java, Django, Linux (Ubuntu), Android SDK, Git, HTML, CSS, Apahe HTTP Server, MySQL, Python multiprocessing, asynchronous programming, Java multithreading	2012 - 2014	> 4 000
Govoritter	Phone call microblogging service http://govoritter.com (not available any more)	Python, Django, Linux (CentOS), Git, HTML, CSS, JavaScript, jQuery, Apache HTTP Server, MySQL, Asterisk, SIP Stack, AEL, RabbitMQ, lettuce, Selenium IDE/WebDriver	2011 - 2012	4 000

Name	Description	Technology Stack	Years	SLOC[*]
Test Generator	Tool that generates test set out of a given complex condition. http://dmugtasimov.scienceontheweb.net/testgenerator/testgenerator.html (operational if Java Applets are enabled) Sources: http://dmugtasimov.scienceontheweb.net/articles/articles.html	Java, JavaCC, LL-grammars, Java Applets, HTML, JavaScript, DOM	2007 - 2008	-
CDA model and test data generator**	Tool that models an application under test and generates test data	Visual Rules, XML, XSLT, Microsoft Access, Batch-files	2007	-
Functional Requirement Coverage**	Tool that creates a cross-coverage report of functional requirements on test requirements and vice versa	Telelogic DOORS, DXL	2006	750
System of Change Management and Change Control**	Change control tool that compares formally specified changes with the actual changes in the environment	Rational ClearQuest, Perl, SQL, Toad, Java, Batch-files	2004	-
jCOM adapter **	Rational Robot Add-in that enabled DCOM-script recording for load testing	Visual C++ 6.0, COM, DLL, WinAPI	2003	-
LabWork	Laboratory work simulator, that emulates an electric circuit. http://dmugtasimov.scienceontheweb.net/labwork/ (operational if Java Applets are enabled)	Java, awt, applets, JavaScript, HTML	2001	900
Backup partitions system	Quick OS (disk) recovery tool	Assembler x86, Batch-files, FAT16	2001	-
Session	Students assessment results management system	1C:Enterprise 7.7 built-in language	2001	3 000
DrugStore	Incoming prescriptions management application. http://dmugtasimov.scienceontheweb.net/dstore/	Visual FoxPro 5.0, SQL	2000	-
Best 2 Utility for Titul	Add-in that replaces broken functionality of "Best 2" accounting software	Visual FoxPro 5.0, SQL	1999	-

* Source lines of code
** Developed as a part of QA job responsiblities

Publications

- Technical blog in English: http://dmugtasimov-tech.blogspot.com/
  - My Python software development practices: https://dmugtasimov-tech.blogspot.ru/2016/12/my-python-software-development-practices.html
  - Pascal's Triangle (detailed description of optimization techniques for an academic task from Python code optimization to refactoring to Assembler): https://dmugtasimov-tech.blogspot.ru/2016/02/pascals-triangle.html
  - My repo stats: https://dmugtasimov-tech.blogspot.ru/2017/04/my-repo-stats.html
- Habrahabr: http://habrahabr.ru/users/dmugtasimov/topics/
  - Software development approach of the particular Python-developer (Принципы работы одного Python-разработчика): http://habrahabr.ru/post/233699/, 2014
  - About Python import packages and modules search (О порядке поиска пакетов и модулей для импорта в Python): http://habrahabr.ru/post/166463/, 2013
- Technical blog in Russian: http://dmugtasimov-pro.livejournal.com/
- GitHub: https://github.com/dmugtasimov
- Bitbucket: https://bitbucket.org/dmugtasimov
- Functional Testing of Complex Conditions: https://dl.dropbox.com/u/48436497/FT_of_complex_conditions.pdf, 2007
- 30 articles in a local Almetyevsk newspaper, 1999-2000
  - Viruses on the other side of the screen (Вирусы по ту сторону экрана)
  - Call me a programmer! (Назови меня программистом!)
  - Government software (Государственные программы)
  - "UnD3rGr0nD" bus stop (Остановка UnD3rGr0nD)
  - A child in front of the computer (Ребенок за компьютером)
  - Soap (Мыло) on wires (Мыло по проводам)
  - Internet crime (Интернет: преступность)
  - Auctions in the Internet (Аукционы в Интернет)
  - Addressing in the Internet (Адресация в Интернет)
  - Computer slang (Компьютерный сленг)
  - MS-DOS is still alive (Живучий DOS)
  - Make your choice! (Сделай выбор!)
  - Eduction: XXI century (Образование: век XXI)
  - Linux: first impression (Linux: первое впечатление)
  - Internet at glance (Интернет: беглый взгляд)
  - How to search in the Internet (Поиск информации в Интернет)
  - Information dependence syndrome (Информационная зависимость)
  - Printers internals and customer choice (Принтеры: устройство и выбор)
  - Monitor is an important part of PC (Монитор – важная часть системы)
  - Fake millennium - real problems (Ложное тысячелетие – реальные проблемы)
  - Virtual State: some thoughts about (Виртуальное государство – мысли вслух)
  - Strategy and tactics of problem solving (Стратегия и тактика решения проблем)
  - International floppies features (Особенности интернациональных флопов)
  - Future technolgies: prosperity or decline (Технологии будущего: расцвет или коллапс)
  - Socket370 motherboards benchmark (Тестирование материнских плат на Socket370)
  - Software upgrade (Upgrade программного обеспечения)
  - Performance increase for $0 (Повышение производительности за $0)
  - Special case of magic or a simple maths (Особый вид магии или математика?)
  - Technical English should be technical (Технический английский должен быть техничным)
  - What we are taught in schools (Учат в школе, учат в школе…)