

REMOTE * Full-time up to 25 h/week * Only

Dmitry V Selitsky

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Software Engineer with 20 years professional experience.
Areas of expertise include: **Python** development, **Web back-ends**, software/data **integration**, **database** design, microservices, distributed web crawling & scraping.
Work well independently and within a result oriented team, able to view software through the eyes of the end-customer. Self-starter with minimal amount of instructions and supervision.

WORK EXPERIENCE

08.2016 - , Anveo Inc.

Project: NDA

Environment: Linux/distributed, MacOS

Tools: **Python 3.7**, twisted, redis, beanstalk, gevent, clickhouse, flask, docker, fastapi

Role: Back-end/integration web developer

- Integrated the system with the following (using REST/SOAP/XMLRPC APIs and/or web scraping) - ActiveCampaign, Amazon marketplace, Asana, Booking.com, DropBox, Dynamics, IMAP, Evernote, Facebook, Flowdock, Fullcontact, sFTP, Google calendar/gmail/drive/sheets, Intuit GoToWebinar, Hotels.com, Hubspot, Jotform, InfusionSoft, Magento, Mailchimp, MongoDB, MySQL, Newegg, Overstock.com, Pipedrive, QuickBase, QuickBooks, Rakuten, Salesforce (SOQL, REST), Shopify, Skype (bots), Slack, SMTP, SSH, SugarCRM, Surveymonkey, Telegram (bots), Todoist, Tripadvisor, Twitter, Typeform, Unbounce, Viber, Wufoo, Xero, Yelp, Zoho CRM, ..

11.2015 - 09.2016, ip-echelon.com

Project: Hunting for pirated media
Environment: Linux, OSX
Tools: **Python**, BeautifulSoup
Role: Back-end web developer

- Massive web scrapers

08.2015 - 12.2015, Advault.io

Project: Hunting for ads
Environment: Linux
Tools: **Python**, PhantomJS
Role: Back-end web developer

- Multi-threaded JS-rich web scrapers

02.2015 - 05.2015 , CloudYourCar.com

Project: Car Fleet Management - Vehicle tracking
Environment: Linux
Tools: Linux, Python, MongoDB, Django, PostGIS
Role: Back-end web developer

- Dashboard development;
- Enhance vehicle reporting utilizing geo-data (OSM.org)

11.2014 - 04.2015, StarOfService.com

Project: Web crawling/scraping back-end & web services
Environment: Linux
Tools: **Python**, Redis, Flask, RESTful APIs, Tor, Google search
Role: Back-end web developer

- Developed REST API
- Implemented distributed multi-node x multi-process web crawlers and scrapers

11.2013 - , InstaVIN.com

Project: Automotive vehicles customer info
Environment: Linux
Tools: **Python/Django**, RESTful APIs, apache, wsgi, virtualenv, git, JSON, XML, SOAP, MySQL, pandas, redis, bootstrap, ajax
Role: Back-end integration web developer

- Architect REST API proxy service
- Implemented several new integrations with partner systems
- Implemented a dashboard using Django, Redis, Bootstrap, jQuery-AJAX tools
- Implemented new site features

03.2012 - 03.2014, Tula.co

Project: Reporting and Scraping for a Mobile Ads Mediator
Burstly/Apple
Environment: Linux
Tools: Python/Django, **web services**, gevent, fabric, virtualenv, git,

Github, nginx, gunicorn, JSON, XML, SOAP, south, tor, jira, supervisor, mysql

Role: Back-end Web developer

- Done aggregation of ad networks' statistics
- Implemented automatic Tor network involvement
- Architect and prepare for high load asynchronous load balanced multi-node mode

12.2011 - 02.2012, QuoteRoller.com startup

Project: Quote Roller -- proposal & quote management software as a service

Environment: Linux

Tools: **Python/Django** (fab, virtualenv), PostgreSQL, Mercurial, Bitbucket, Redmine, Selenium, Jenkins

Role: Web developer

- Develop integration with Box.net and Highrise
- Web UI development

2003 - 11.2011, IBA Group (CMMI L4, IBM's Premier Partner)

Project: Railway Industry Master Data Management (MDM, Reference Data) System.

Environment: **Websphere AS 7.0**, IBM **DB2 8.2/9.5**/federated with DB2 on zOS mainframe

Tools: **ERwin**, IBM Optim, **Python** scripting, Jython, Django, JavaScript/jQuery/AJAX, SAP JCO API

Role: Senior SW developer/architect, Team leader

- Develop custom MDM system **architecture**
- Develop **data migration, conversion**, cleansing, retrieval tools and processes (ETL)
- Prototyped **web front-end** of MDM
- Design database using Erwin and Python for DB scheme scripting
- Design MDM **integration** facilities (SOA-style)
- Develop SOAP client for testing MDM to SAP R/3 interoperation
- Develop RFC client for SAP R/3 + MDM integration
- Develop scheme- and data-level database **testing** tool
- Integrated a Full Text Search (FTS) engine

2001 - 2003, IBA JV

Project: Railway Industry MDM System

Environment: Windows 2000, IBM DB2 UDB 7.2/8.2, Subversion, Trac, PowerDesigner, WS MQ

Role: Software/web/database developer, Team leader

- Designed and implemented Web/XML-RPC front end to MDM system

Tools: Apache2, OOP Python 2.4, DB2 SQL ODBC, HTML, CSS, JavaScript

- Developed WinNT service which retrieves data from MQ Series queues, parses it and writes into database. Tools: Visual C++, Win32 API, MQ API, embedded SQL, DB2 (triggers, stored procedures)

- Developed client **GUI** application for MDM database users/operators using **MS Visual C++**, ADO, SQL, MFC, Roguwave/Stingray Studio.

2000 - 2001, IBA JV

Project: OS/390 Storage Management

Environment: OS/390 IBM Mainframe

- OS/390 Storage Management administrative automation tasks. DFSMS, REXX, JCL

1999 - 2000 IBA JV

Project: IBM VM, OS/390 mainframe operator automation

Role: Application programmer

Tools: MS Visual C++ using IBM Personal Communications APIs; Borland Delphi (Win32 API, Windows shell API)

- Developed GUI app, help system, packaging

1997 - 1999 R&D Institute of Automation Aids (NPO Agat), part-time

Project: Information Control System of National Forestry, workflow subsystem

Environment: Windows NT, Oracle 7.3 Server

Role: Application programmer

Tools: Borland Delphi Client/Server (ActiveX, QuickReports, BDE)

- Designed and implemented bookkeeping GUI app

EDUCATION

1999 - 2000 IBA JV postgraduate courses

- OS/390 system administrator (MVS System architecture, Job management, RACF, TSO, ISPF, DFSMS)

1999, Belarusian State University of Informatics and Radio electronics, Minsk, Belarus

- System engineering diploma (**BS**)

FOREIGN LANGUAGES

- English: reading / reading computer texts / speaking a little / writing
- Russian: native

OPERATING SYSTEMS

- Linux / Mac OS / UNIX
- Windows family
- OS/390, zOS, OS/390 UNIX (user level)

PROGRAMMING LANGUAGES

- Python
- SQL
- C/C++ (till 2003)

DATABASE MANAGEMENT SYSTEMS

- Redis, MongoDB, ClickHouse
- IBM DB2, MySQL, PostgreSQL, SQLite

INTERNET/eBusiness

- TCP/IP
- IBM Websphere AS
- HTTP, HTML, Python, Flask, Django, CSS, jQuery
- Web-servers Nginx, Apache
- Web services, RESTful, SOAP

MIDDLEWARE/CASE/APPLICATIONS

- Allfusion ERwin Data Modeler
- IBM Opim
- Sybase PowerDesigner
- IBM MQ-Series (WebSphere MQ)
- Quest Central for DB2
- Jenkins CI
- Subversion, Mercurial, Git

PERSONAL

- Year of birth: 1977
- Citizenship: The Republic of Belarus
- Skype: dvska-at-skype