

# Dmitry F

## Senior Lead Python Engineer

### SUMMARY

- 10+ years of experience in Analysis, Design, Development and Implementation of various web, stand-alone, client-server applications using Python; good Experience with Python web frameworks such as Django, Flask, Pyramid Framework, Tornado, Twisted, AioHTTP; have work experience with various Python Integrated Development Environments like PyCharm, Eclipse, Emacs;
- Expertise in handling Django ORM and SQLAlchemy; experienced in developing applications using Agile Methodologies, Waterfall Methodology and Scrum stories in a python based environment;
- Have knowledge in relational databases like MySQL (MariaDB), PostgreSQL, Firebird; have knowledge in NoSQL databases like Redis, MongoDB;
- Upper-Intermediate English

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Python (10 yr.)
<b>Programming Languages</b>	JavaScript, PHP, Python (10 yr.)
<b>Python Libraries and Tools</b>	aiohttp, AsyncIO, Pandas, pytest, Twisted
<b>UI Frameworks, Libraries, and Browsers</b>	Ajax, CSS, HTML, HTML5, XML
<b>Python Frameworks</b>	Django (10 yr.), Falcon, Flask, Tornado
<b>Java Libraries and Tools</b>	JSON
<b>Data Analysis and Visualization Technologies</b>	Pandas
<b>Security</b>	Tornado
<b>Databases &amp; Management Systems / ORM</b>	FireBird, MariaDB (5 yr.), MongoDB, MySQL (5 yr.), PostgreSQL (10 yr.), Redis (10 yr.), SQL, SQLAlchemy
<b>Third Party Tools / IDEs / SDK / Services</b>	Asterisk, Eclipse, PyCharm, Sublime Text

<b>Scripting and Command Line Interfaces</b>	Bash, EMacs, Shell Scripts
<b>Version Control</b>	BitBucket, Git, GitHub, SVN
<b>Message/Queue/Task Brokers</b>	Celery
<b>Mail / Network Protocols / Data transfer</b>	DNS, FTP, HTTP, HTTPS, ICMP, TCP/IP, UDP, VoIP
<b>Virtualization, Containers and Orchestration</b>	Docker, Docker Compose
<b>Platforms</b>	Falcon
<b>Operating Systems</b>	FreeBSD, Linux, Windows
<b>SDK / API and Integrations</b>	GraphQL, RESTful API
<b>Deployment, CI/CD &amp; Administration</b>	Jenkins, Jenkins CI
<b>Methodologies, Paradigms and Patterns</b>	microservices architecture, SOAP
<b>Web/App Servers, Middleware</b>	Nginx, Tornado
<b>QA, Test Automation, Security</b>	pytest, Selenium Webdriver
<b>Other Technical Skills</b>	CGI, Noodles, Nose, Python IDLE, Twisted Framework

## EXPERIENCE

### Senior Python Developer

Aug 2018 - Present

#### Responsibilities:

- Involved in the Software Development Life Cycle (SDLC) - Agile
- Implementing Python alongside using various libraries such as Pandas, asyncio
- Developed applications using a mix of technologies (Python, REST, microservices, GraphQL)
- Involved in designing and deploying multitude of applications utilizing almost all of the PAAS stack focusing on high availability, fault tolerance, and auto-scaling



- Responsible for gathering requirements, system analysis, design, development, testing and deployment
- Developed web applications and RESTful web services and APIs using Django, and AioHTTP Designed and developed a data management system using PostgreSQL
- Involved in producing and consuming web services using both REST and SOAP
- Continuous integration and automated deployments with Jenkins, Docker
- Used SQL stored procedures and UNIX Shell Scripts for importing/exporting Data and Conversions
- Involved in development of WebServices using SOAP for sending and getting data from the external interface in the JSON format
- Participated in Version controlling process using GitHub, Git.

**Technologies:** Python 3.7, Redis, MongoDB, PostgreSQL, Shell Scripting, GitHub, LINUX.

### **Team Lead/Software Engineer, Sphere of gambling and betting**

Oct, 2012 – Aug, 2018

#### **Responsibilities:**

- Involved in the Software Development Life Cycle (SDLC) - Agile
- Implementing Python alongside using various libraries such as Pickle, network, urllib2, boto
- Developed applications using mix of technologies (Python, REST, microservices, sharding)
- Automated the existing scripts for performance calculations using SQL alchemy
- Involved in designing and deploying multitude applications utilizing almost all of the PAAS stack focusing on high-availability, fault tolerance, and auto scaling
- Responsible for gathering requirements, system analysis, design, development, testing and deployment
- Developed web applications and RESTful WebServices and APIs using Pure Python with various libs and tools
- Designed and developed data management system using MySQL
- Developed a fully automated continuous integration system using GIT, Jenkins, MySQL and custom tools developed in Python, Bash and Docker
- Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met
- Developed Business Logic using Pure Python and Noodles (internal company framework)
- Developed entire frontend and backend modules using Python
- Developed Merge jobs in Python to extract and load data into MySQL database
- Successfully migrated the database from regular MySQL to sharded MySQL with complete data integrity
- Involved in producing and consuming web services using both REST and SOAP
- Continuous integration and automated deployments with Jenkins, Fabric and Docker
- Used SQL stored procedures and UNIX Shell Scripts for importing/exporting Data and Conversions



- Involved in development of WebServices using SOAP for sending and getting data from the external interface in the XML, JSON format
- Involved in writing stored procedures using MySQL Database
- Participated in Version controlling process using GitHub, Git.

**Technologies:** Python 2.x, 3.x, Celery, Redis, MongoDB, SQLAlchemy, Shell Scripting, JSON, HTML5, CSS3, JavaScript, Nginx, MySQL, GitHub, LINUX.

### **Python Developer, Taxi booking aggregator**

May 2010 – Oct 2012

#### **Responsibilities:**

- Develop middle-size VoIP system for company communication (over 70 output and 10+ input phone lines to/from various devices)
- Integrate Asterisk and create an admin back office (based on Django with PostgreSQL as DB and redis - server as message broker) system
- Create a web app for taxi drivers
- Deliver orders from company clients to taxi drivers in real-time mode
- Order processing
- Integrate Jenkins CI
- Build company servers infrastructure
- Created Business Logic using Python 2.7.

**Technologies:** Python 2.7, Celery, Redis, PostgreSQL, Django, Twisted Framework, and Firebird.

### **System Administrator, Network of household appliances stores**

Nov, 2006 – May, 2010

#### **Responsibilities:**

- Database administrator
- Support workstations (Windows, Linux, FreeBSD)
- Manage and service company network infrastructure
- Supports and develop internal company web sites

**Technologies:** HTML, PHP, JavaScript, Ajax

## **EDUCATION**

### **Krivoy Rog Commercial and Economic Technical School Merchandising and Commercial Activities, Bachelor**

2001 – 2003

