Alexander Zayats

Software Engineer

Contacts

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Summary

- Python, shell programming, C#, OOP, unit-testing, web development, version control systems, networking, Linux.
- Open minded, team player, precise and accurate, desire for learning and passion for new knowledge.

Experience

Business Networks

Software Engineer
July 2011 — Current

At Business Networks I develop a mobile gateway wich provides several interactive SMS services like lotteries, proxies, payments &c.

Responsibilities and key accomplishments:

- Implemented several interactive SMS services: SMS payments, MSISDN verification, SMS proxy, partially SMS lottery.
- Created REST API for integration with third party platrorms.
- Data aggregation for reporting speed up.
- Deployment system.

Toolset: Django, Celery, PostgreSQL, Fabric, Git, Linux.

EPAM Systems

Software Engineer
March 2010 — July 2011

At EPAM Systems I was part of QA team whose task was regression testing of internal back-end application for financial organization customer. Regression testing framework was written in Korn Shell and Python. System under test was a two level static data cache.

Responsibilities and key accomplishments:

- Technical team leading, interteam communications.
- Regression testing framework has been ported from Python 1.5 to Python 2.5 and extended to support new system under test.
- Test cases coding in Python and Shell according to System Test Specification.
- Application exploratory testing and configuration.
- Testing environments support.

Toolset: Python, Korn Shell, XML, Web Sphere MQ, Subversion, UNIX.

Soft&Site Company

Software Engineer
June 2008 — March 2010

In Soft&Site Co. I was involved into several projects.

Meteo web-portal

The complex system designed for meteo data collecting via network of autonomous stations. Data is stored in the MS SQL DB and represented via web front-end.

Responsibilities and key accomplishments:

- Developed subsystem for aggregating data from autonomous meteostations. Subsystem is based ontop of ARM/embedded x86 based devices.
- Prototyping web front-end.

Toolset: Python, C#, MS SQL, ASP.NET MVC, NHibernate, Mercurial, Linux, Windows.

Web scraping projects

I have written several screen scrapping crawlers using [Scrapy framework](). Also I have created custom web crawling engine for bunch of sport oriented web-sites

Toolset: Python, XPath, Mercurial, Linux / C#, MSSQL, Windows.

JustShipIt

On-line e-commerce system for eBay, Amazon, Channel Adviser and standalone web-shops. It can be used for controlling eBay stores, tracking orders and shipment.

Responsibilities and key accomplishments:

- Prototyping usage of Amazon's API (AIM)
- Prototyping usage of PayPal SOAP API
- Designed and coded subsystem for asynchronous task execution

Toolset: C#, ASP.NET MVC, Web Services, Subversion, Windows.

Freelance at RentACoder.com

Python Programmer
February 2008 — April 2008

Whois web application

The software was used for querying different whois online databases on list of IP addresses and main TLDs. During this project I designed & developed in Python querying engine and its web UI.

Toolset: Python, Web.py, SOAP, Mercurial, Linux.

SQLite to MySQL migration script

The script was used for converting SQLite's dump to MySQL's dump.

Tangram Ukraine Ltd

UNIX Support Administrator
July 2007 — November 2007

At Tangram I mainly supported shared hosting clients & company's infrastructure -- monitored & set up servers. In addition to

Also I designed and coded Python script for processing NetFlow statistics. The script counted traffic amount on several directions.

Toolset: Python, SQLAlchemy, Flow-tools, Mercurial, Linux

Tools

- OS X
- Python
- Django, Celery
- PostgreSQL
- Git/Subversion
- Automated testing

Spoken languages

- English — upper intermediate
- Ukrainian, Russian — native speaker
- Polish — elementary

Academic Record

Software Engineering, BS (Specialist)
Fall 2003 — Spring 2009
[National Technical University of Ukraine "KPI"](#)

Introduction to Databases, Fall 2011

Also I have successfully completed Introduction to Databases with total score **309** of **323**