omitted for web
info@profitware.ru
in bug2bug
profitware

Sergey Sobko

Senior Software Engineer / Team Lead

Education

Engineer's degree, 230101 Computers, Computer Systems and Networks, *Moscow Institute of Electronics and Mathematics – Higher School of Economics*, Moscow.   2010–2016

Languages

- English (Upper Intermediate)
- Russian (Native)

Technical Experience

Proficient In

languages: Python, JavaScript, Clojure, Matlab, Pascal/Delphi

technologies: Django, Flask, Tornado, MySQL, SQLite, Emacs, LaTeX, Bash Scripting, Git, Subversion, PostgreSQL, MongoDB, jQuery, Bootstrap, Windows, Debian & Red Hat Linux, OSX, JSON, Ant, XSLT, Regexr, HTML, CSS

Have Experience With

languages: PHP, Java, C$^\sharp$, C/C++, Erlang, Groovy, Haskell, Scala

technologies: Apache, Nginx, Flash, GIMP, SQL Server, Oracle, Eclipse, .NET

Current Position

Team Lead, *Positive Technologies*, Moscow.   **2016–present**

Web Application Firewall (https://af.ptsecurity.com/) solutions management and R&D using Python (Flask, Twisted), Groovy and JavaScript.
- Created domain-specific language and interpreter for network configuration.
- Created device package for PT AF integration with Cisco ACI.
- Designed architectural solution for data structure unification.
- Managed AF user interface and network infrastructure team which gradually increased up to 10 members.
- Presented Cisco ACI and PT AF integration with Cisco Systems representetives at Positive Hack Days VI.

Work Experience

Senior Software Developer, *Positive Technologies*, **2015–2016** Moscow.

Web Application Firewall (`https://af.ptsecurity.com/`) solutions R&D using Python (Flask, Twisted) and JavaScript.
- Implemented Active Directory integration for PTAF configuration UI.
- Created detailed report generation functionality (attacks, alerts, etc.).
- Took 3rd place in Digital Substation Takeover contest at Positive Hack Days V.

Software Engineer, *RosBusinessConsulting*, Moscow.   **2013–2015**

Quotes monitoring web solutions R&D using Python (Django, Tornado), JavaScript, Postgres and Oracle.
- Quote.rbc.ru (`http://quote.rbc.ru/`) development and maintenance:
  - created Top News section (`http://quote.rbc.ru/topnews/`);
  - created Services and Prices section – e-shopping solution (`http://quote.rbc.ru/price/`) from scratch;
  - created authorization, registration and Personal Cabinet parts (`http://quote.rbc.ru/user/`) from scratch and integrated them with intracorporate Oracle database.
- Spot currency market (`http://cash.rbc.ru/`) bug fixing, development and maintenance, Oracle to Postgres migration.
- Reimplemented Quotes monitoring for GazPromBank (`http://v2.gpbmon.rbc.ru/`).

Developer, *Bank's Soft Systems*, Moscow.   **2011–2013**

Online Banking (`http://www.bssys.com/`) solutions R&D.
- Developed and fixed special versions of online banking solution Private Client for Nordea Bank, Uniastrum Bank, MTS Bank, Tatfondbank, etc. using Oracle, Delphi and jQuery.
- Implemented multiple HSA (handwritten signature analogue) functional in standard version of online banking solution Private Client.
- Created a build system using Ant, Jython, Java and Javascript.

Web Developer, *DEKO Media*, Moscow.   **2010–2011**

Web sites and internal ERP solutions R&D using Python and JavaScript.
- Created warehouse maintenance solution from scratch.
- Created dispatcher workplace solution from scratch.
- Redesigned DEKO Media web site (`http://deko-media.ru/`).

Opensource Developer, *The Profitware Group*.   **2005–present**

Participated in the creation of free and opensource software:
- For Moscow Institute of Electronics and Mathematics:
  - CircuitryLib – Python library for modelling various circuit engineering systems;
  - SpiritLevel – PoC for MicroPython device;
  - ErlangIO – PoC for connecting Erlang VM with GNU/Linux kernel;
  - mDSS – Decision Support System in Clojure;
  - Cheque – Flask OCR RESTful service.
- Productivity Desktop Environment for Fedora GNU/Linux.
- ProfitPlatform-NG – Python and Erlang distributed RPC using RabbitMQ.
- SaltStack small improvements.

Teaching and Coaching Experience

Lecturer in Computer Science, *Higher School of Economics*, Moscow. **2016–*present***

Web Development Course (`https://github.com/ProfitwareWebDev` – for Master's program Computer Linguistics) which aims to teach students:
- making up web pages using Bootstrap;
- creating web applications using Python (Flask, Celery);
- creating modern frontend web applications using AngularJS.

Coach, *Django Girls*, Moscow. **2016–*present***
Coached participants of Django Girls Moscow 2016 (`http://tceh.com/djangogirls/`).

Certifications

Molecular Biology and Genetics, *Bioinformatics Institute*, Saint Petersburg, 100%. **2014**

Distributed Team Management, *Netology Group*, Moscow. **2016**

Engineer's Degree Thesis

Title: Web Application Firewall Cluster Configuration Management System for Heterogeneous Networks

Final Grade: 10 out of 10

Abstract: `https://www.hse.ru/en/edu/vkr/182863697`

Defense: `https://www.youtube.com/watch?v=-pzmGtnNtz4`

Interests

Programming: Python, Erlang, Clojure

Music: Saxophone, Trumpet, Drums, Piano, Guitar

Sports: Longboarding, Snowboarding, Tennis

Science: Bioinformatics, Networks, Machine Learning