

VLADYSLAV FROLOV

Software Developer

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🐙 github.com/frol

EDUCATION

- September 2012 – **Master's Degree**, *Kharkiv National University of Radio Electronics, First Class Honours.*
June 2013 Security of Information and Communication Systems
“RESEARCH OF SYNTHESIS METHODS OF NONLINEAR S-BOXES FOR BLOCK SYMMETRIC CIPHERS”
- September 2008 – **Bachelor's Degree**, *Kharkiv National University of Radio Electronics, First Class Honours.*
June 2012 Security of Information and Communication Systems
“SECURITY ANALYSIS OF WEP PROTOCOL IN 802.11 WLAN COMPUTER NETWORKS”

EXPERIENCE

Salford Systems

- June 2012 – today **Software Engineer**, *Data Mining and Predictive Analytics Software company.*
- Designed and developed distributed data mining (BigData) projects
 - PYTHON, CYTHON, DASK, YARN HADOOP, PYSPARK, PYTHON C-EXTENSIONS, PYINVOKE, ANACONDA
 - Designed and developed data mining SaaS with a distributed backend in the cloud
 - API Server: PYTHON, FLASK, POSTGRESQL, SEAWEEDFS
 - Frontend: JS ES6, REACTJS, REDUX
 - Backend: CYTHON, DASK, RABBITMQ, HADOOP HDFS
 - Other: DOCKER, DJANGO, REDIS, AWS
 - Developed an automated distributed testing system for Salford Systems' software suite
 - PYTHON, DJANGO, CELERY, POSTGRESQL, REDIS
 - Developed a text mining tool using Natural Language Toolkit
 - PYTHON, NLTK
 - Set up Salford Systems IT infrastructures
 - LINUX, DOCKER, HADOOP, FREEIPA, RANCHER, GITLAB, MATTERMOST, CFENGINE, NGINX, JENKINS, REDMINE, PYINVOKE

Open-source

- September 2009 – **Contributor**, *open-source software.*
today I became a fan of open-source software the moment I consciously used it for the first time back in 2009, developing a small project in Qt. At that time, I had already been using Linux for over two years, but most of my projects were written from scratch, meaning that I didn't use any thirdparty libraries.
- It was September 29, 2009, when the first project I published to the open-source was born. Since then I have open-sourced over 30 projects and contributed to over 100, including Linux kernel, Android for x86, Docker, and Django.
- My GitHub profile: <https://github.com/frol>

Escalibro

- October 2010 – **Co-creator**, *pet project.*
today This is a Web-service for writers and readers, that provides simple and convinient book writing and reading.
- I was involved in the every bit of the project: servers tuning, UI design, frontend and backend development
- LINUX, IPSEC, PYTHON, DJANGO, CELERY, MYSQL, RABBITMQ, HTML/CSS/JS

Q-BIT

March 2015 – **Education Evangelist**, *local science community*.

today I used to be a student at Q-BIT, and now I am helping new students talking to them in person or giving lectures. Q-BIT has its own web-platform for training programming skills and conducting programming contests, and I have developed the backend for it allowing to execute and test student solutions in over 15 different programming languages.

– PASCAL, C++, C, LINUX, DOCKER, PYTHON, BASH, C, RUST

Fahrenheit 451

April 2011 – **Software Engineer**, *Website building company*.

May 2012 Developed a food delivery web-service for restaurant chains “Mafia” (mafia.ua) and “Yakitoria” (yaki.kh.ua)

– PYTHON, DJANGO, MYSQL, HTML/CSS/JS

EwaDev

October 2009 – **Software Engineer**, *Website building company*.

December 2011 Developed a variety of websites and web-services

– LINUX, PYTHON, DJANGO, MYSQL, HTML/CSS/JS

COMPUTER SKILLS *(my favourite options are marked in bold)*

Programming Languages **PYTHON** ◦ **CYTHON** ◦ **BASH** ◦ C++ ◦ C ◦ JAVASCRIPT (ES6+) ◦ HTML ◦ SQL ◦ L^AT_EX ◦ DELPHI/PASCAL ◦ **RUST**

Frameworks and Tools **FLASK** ◦ **REACTJS** ◦ **VIM** ◦ **DASK** ◦ DJANGO ◦ CELERY ◦ PYSPARK ◦ APACHE SPARK ◦ HADOOP YARN ◦ JQUERY ◦ ANGULARJS ◦ **NGINX** ◦ APACHE ◦ ANACONDA ◦ QT ◦ **DOCKER** ◦ **GIT** ◦ **GITHUB** ◦ **GITLAB** ◦ JENKINS ◦ PYINVOKE ◦ **OPENVPN** ◦ STRONGSWAN

Databases **POSTGRESQL** ◦ MYSQL ◦ **SQLITE** ◦ **RABBITMQ** ◦ **REDIS** ◦ MONGODB ◦ MEMCACHE

OS **GNU/LINUX** (DEBIAN, UBUNTU, CENTOS, **ARCHLINUX**) ◦ MS WINDOWS ◦ MACOS

LANGUAGES

Russian, Ukrainian Native

English Fluent