

# VLADYSLAV FROLOV

Software Developer

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github.com/frol

## EDUCATION

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

## EXPERIENCE

### Salford Systems

- 2012–today **Software Developer**, *Data Mining and Predictive Analytics Software.*
- Designed and developed a distributed data mining (BigData) library
    - PYTHON, YARN HADOOP, PYSPARK, PYTHON C-EXTENSIONS
  - Designed and developed a data mining SaaS with distributed backend in the cloud
    - PYTHON, DJANGO, POSTGRESQL, REDIS, AWS, HTML/CSS/JS
  - Developed an automated distributed testing system for the software suite
    - PYTHON, DJANGO, CELERY, POSTGRESQL, REDIS
  - Developed a text mining tool using Natural Language Toolkit
    - PYTHON, NLTK
  - Set up an IT infrastructure automation with CFEngine.

### Escalibro

- 2010–today **Co-creator**, *pet project.*
- Web-service for writers and readers, that provide simple and convenient book writing and reading. Involved in every bit of the project: servers tuning, UI design, frontend and backend development
- LINUX, IPSEC, PYTHON, DJANGO, CELERY, MYSQL, RABBITMQ, HTML/CSS/JS

### Mafia & Yakitoria

- 2011–2012 **Software Developer.**
- Delivery web-service for restaurant chains “Mafia” (mafia.ua) and “Yakitoria” (yaki.kh.ua)
- PYTHON, DJANGO, MYSQL, HTML/CSS/JS

### EwaDev

- 2009–2011 **Software Developer**, *Website building company.*
- Developed a variety of websites and web-services
- LINUX, PYTHON, DJANGO, MYSQL, HTML/CSS/JS

## LANGUAGES

Russian, Ukrainian Native  
English Fluent

## COMPUTER SKILLS

Programming Languages PYTHON ◦ SQL ◦ HTML ◦ JAVASCRIPT ◦ BASH ◦ C++ ◦ C ◦ L<sup>A</sup>T<sub>E</sub>X ◦ DELPHI/PASCAL

Frameworks and Tools DJANGO ◦ CELERY ◦ PYSPARK ◦ APACHE SPARK ◦ HADOOP YARN ◦ JQUERY ◦ ANGULARJS ◦ VIM ◦ GIT ◦ SVN ◦ MERCURIAL ◦ NGINX ◦ APACHE ◦ STRONGSWAN ◦ QT

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

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