

# Ana Balica

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Software Developer  
Open Source Contributor

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## Personal

Born on January 01, 1990.  
Republic of Moldova, Chişinău  
Lived in Prague, Czech Republic



## Education

Czech Technical University of Prague, 2013 - 2014  
Erasmus student at Faculty of Information Technology  
  
Technical University of Moldova, 2010 – 2013  
Faculty of Computers, Informatics and Microelectronics  
English Taught Honors Program in "Computer Science"  
  
College of Constructions in Chişinău, 2006 – 2010  
Faculty of Civil Engineering  
  
"Ion Creangă" Lyceum, 1998 – 2006

## Languages

Romanian – native  
Russian – native  
English – very good  
German – average

## Professional experience

Contract developer working on [Squadrunner](#) REST API backend  
Django REST framework, Django nonrel, mongodb  
September 2014

Google Summer of Code student, Summer 2014  
[Systers Portal](#) at Systers, an Anita Borg Institute Community  
 Django, PostgreSQL

Google Summer of Code student, Summer 2013  
[Mail/Notification related functionality](#) at MoinMoin  
 Flask, whoosh

Developer at [Red Sky](#), Sept. 2012 - May 2013,  
 Project [CarOcean](#), Python Developer (Scrapy framework)  
 SMS related projects, PHP Developer (Zend framework)

Summer internship at [Dekart](#), July 2012,  
 Developed a windows gadget "Amazon Metrics Monitoring"

## Personal skills and competences

### *Programming and markup languages*

Python – solid (4 years)

Django web framework – solid (3 year)

Django non-rel with MongoDB – medium

Flask lightweight web framework – medium

Java and Android SDK – medium

Scrapy - scraping and web crawling framework – medium

PHP / Zend web framework / Symfony framework – medium

HTML & CSS – medium

JavaScript / jQuery – medium

### *Tools and competences*

Algorithms and data structures

Web development

Web crawling

OOP, UML

MySQL, Django ORM

Test Driven Development

Git, Mercurial

Scientific computations in Python

Open Source

Linux, vim

Heroku

L<sup>A</sup>T<sub>E</sub>X

### *Traits*

Hardworking

Focused

Disciplined

Community oriented

Teamwork friendly

### *Open source contributions*

Systers Portal – core developer and maintainer of a platform written in Django for [Systers](#) communities to post and share information.

Code: <https://github.com/systers/portal>.

Website: <http://portal.systers.org/>.

Moin2.0 – wiki engine written in Python.

Code: [change subscription mechanism and other enhancements](#).

SugarLabs – learning software for children, part of [One Laptop Per Child](#) project.

Code: [bugfix 1](#) and [bugfix 2](#).

### *Publications*

"Simulating NoSQL databases in Django ORM", co-author Alexandr Truhin, ICMCS 2012

"Dataflow programming using Qt framework" , ICMCS 2011 – extending functionality for the open source educational application KGeography using C++ and Qt

## Involvement

### *Personal Projects*

"Meow Letters" educational game developed using Java Android SDK as an open source project within the "[Learn IT, Girl](#)" mentorship program.

Code: [https://github.com/ana-balica/meow\\_letters](https://github.com/ana-balica/meow_letters).

Game: [Google Play Store](#).

"Meow Letters" cross-platform game developed using Kivy Python framework.

Code: [https://github.com/ana-balica/meow\\_letters\\_py](https://github.com/ana-balica/meow_letters_py).

"Bug Life" Javascript project, that represents a visualization of a GitHub repo issues.

Website: <http://9-volt.github.io/bug-life/>.

Code: <https://github.com/9-volt/bug-life>.

Development of FAF (English Taught Honors Program in "Computer Science") website. Setup and administration of FAF wiki.

Code - <https://github.com/TUM-FAF/FAFSite>.

## *Talks*

Upcoming: "[Demystifying mixins with Django](#)" talk at DjangoCon Europe 2015

## *Competitions*

Google Hackathon "Develop to connect" in Bucharest, Best Peer Review Prize, November 23 - 24 2013

"Social Innovation Camp" Moldova 2013, raising social awareness of recycling in Moldova, July 26 - 28, 2013

Winning team at StartupWeekend Moldova 4th Edition, Online Taxi project, May 31 – June 02, 2013

StartupWeekend Moldova 2nd Edition, project "Jobit", November 16 - 19 2012

"Open Innovation Competition", project "Route Planning", May 18 - 20 2012

## *Special courses*

BEST Summer Course "Search engines, crawlers and spiders" organized by BEST Iași, July 5 - 15 2012

Project "Study Tours to Poland" in Krakow organized by Jagiellonian Club and Borussia Foundation, October 1 - 12 2011

BEST Summer Course "3D Animation" organized by BEST Krakow, July 11 - 22 2011

## *Organizations*

Member of Django Software Foundation Grant Committee

Member of [Systers](#) organization, 2014 - present

Member of BEST Chișinău (Board of European Students of Technology), 2010 - 2013

## *Organizational activities*

PR (Public Relations) responsible for the Summer Course 2012 "Discover the wine - explore the taste" organized by BEST Chișinău

Organizer of PC Party during the Technical Festival organized by BEST Chișinău, May 2012

Local coordinator at "Let's do it Moldova" (Hai Moldova), May 2012

PR (Public Relations) responsible for the UTM Rube Goldberg Machine, November 2011

CR (Corporate Relations) responsible for BEST Engineering Competition (BEC), October 2011

HR (Human Resources) responsible for the BEST Chișinău 4th anniversary, August 2011

Organizer of Photo Hunting during the Technical Festival organized by BEST Chișinău, October 2010

## *Trainings and Conferences*

[EuroPython](#) conference in Berlin, July 2014

Social Media Training by [Yaroslav Valuch \(Czech Republic\)](#)

Public Speaking Training by Alexandru Bordea (Evenda Company)