

Andrey Kabylin

SOFTWARE ENGINEER

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Education

Siberian State University of Telecommunications and Information Sciences

Novosibirsk, Russia

B.S. IN TELECOMMUNICATIONS

Sept. 2010 — 2016

Skills

Programming	Python, C, C++, D, Java, Kotlin, OpenGL, GLSL, Dart
Paradigms	Object Oriented Design, Data Oriented Design, Reactive Programming, Functional Programming
Web	Django with Python, HTML5, JS, TypeScript, CSS/SASS, Vert.X, Ansible, Angular
Mobile	Flutter, Android on Java or Kotlin
Instruments	LaTeX, Emacs, Linux, IDEA
Languages	Russian (Native), English (B1 Intermediate), Japanese (Pre N5)

Experience

LLC The Invaders

Novosibirsk, Russia

SOFTWARE ENGINEER (FULLSTACK DEVELOPER)

Oct. 2014 — PRESENT

Responsibilities: Development of Android applications using Java and Kotlin or Flutter; Development backend REST API for different clients using Python, Django, Java, Kotlin, Vert.x; Configuration servers and development auto deployment scripts.

Projects I participated in:

- "Money Zebra Prototype" — Online auction. (Kotlin with Vert.x, TypeScript with Angular, Python with Django, Ansible)
Responsibilities: Full stack.
Auction: <https://au.zebra.money/>
Web site: <http://zebra.money/>
- RecyclerOS MVP - Microservice For document encryption and storing data in ethereum blockchain. (Kotlin with Vert.x)
Web site: <https://troventum.com/>
- Android client for RecyclerOS MVP — It is a global solution for the problems of the recycling industry. (Kotlin)
Web site: <https://troventum.com/>
- Android application "Staffjet" — Staffjet is HRaaS-service for mass selection and hiring of personnel for non-specialized positions. (Kotlin)
Web site: <https://staffjet.ru/>
Googleplay: <https://play.google.com/store/apps/details?id=ru.staffjet>
- Android application "Humaniq Lite" — Humaniq is a simple and secure mobile bank. (Java)
Responsibilities: Chat core implementation.
Web site: <http://humaniq.com/>
Googleplay: <https://play.google.com/store/apps/details?id=com.humaniq-lite>
Source code: <https://github.com/humaniq/humaniq-android-lite>
- Android application "Humaniq Prototype" — Humaniq is a simple and secure mobile bank. (Java)
Source code: <https://github.com/humaniq/humaniq-android>
- Server side for "Humaniq Prototype" — Backend with some banking functionality. Cryptocurrency «HMQ» is implemented on Ethereum smart contracts. (Django with Python)
Source code: <https://github.com/humaniq/humaniq-django-server>
- Implemented android application "Starateli" — It is a catalog of construction materials. (Java)
Googleplay: <https://play.google.com/store/apps/details?id=ru.starateli>

- Android application "Revengebet" — Sport forecasts. (Java)
Googleplay: https://play.google.com/store/apps/details?id=com.revengebet_limited
Aptoide: <https://revengebet.en.aptoide.com/>
- Backend for "Revengebet". (Python with django)
- Improved parsing tickets algorithm Novosibirsk water park (<http://akvamirnsk.ru>). (Python).
- Implemented a platform for creating urban sites via multiple admin panels. (<https://gorsite.ru/>) (Django with Python)
- Implemented Siberia Expo web site siberiaexpo.ru. (Wordpress with php).

Extracurricular

Telegram Contest

LANGAUGE: JAVA

Telegram official coding competition for Android, iOS and JS developers.

The goal is to develop software for showing simple charts based on input data telegram provide.

All the submitted code written by own from scratch.

Git repo: <https://github.com/sysint64/telegram-chart-contest>

IntelliJ-DLanguage

LANGAUGE: KOTLIN

Support for the D Programming Language within IntelliJ IDEA

Source code: <https://github.com/intellij-dlanguage/intellij-dlanguage>

Contributions:

<https://github.com/intellij-dlanguage/intellij-dlanguage/pulls?q=is:pr+is:closed+author:sysint64>

Phobos

LANGAUGE: D

Phobos is the standard library that comes with the D Programming Language Compiler.

Source code: <https://github.com/dlang/phobos>

Contributions: <https://github.com/dlang/phobos/pulls?q=is:pr+is:closed+author:sysint64>

Personal projects

Simple Data Oriented OpenGL GAPI

LANGAUGE: D

Fast, simple and cross platform data oriented OpenGL GAPI library for D;

Source code: <https://github.com/sysint64/gapi>

Examples: <https://github.com/sysint64/gapi-examples>

Vocabulator

LANGAUGE: KOTLIN, PYTHON WITH DJANGO

Android application for compiling a personal dictionary which can help you to improve your vocabulary in English, Japanesse or any other languages.

Android application source code: <https://github.com/sysint64/vocabulator-android-client>

Server side source code: <https://github.com/sysint64/vocabulator-server-side>

RPUI

LANGAUGE: D

Simple and cross platform graphical interface library based on OpenGL and using RPDL as mark up language and for configurations like shortcuts, settings etc.

Source code: <https://github.com/sysint64/RPUI>

RPDL

LANGAUGE: D

Simple declarative language written on D with compile time loading and bytecode compilation.

Source code: <https://github.com/sysint64/RPDL>

dapt

LANGAUGE: D

D attribute processor (like java annotation processor) designed for automatic types and attributes collection and generate code based on the information has collected.

Source code: <https://github.com/sysint64/dapt>

Examples: <https://github.com/sysint64/dapt-examples>

Ripa Archive

LANGUAGE: DJANGO WITH PYTHON

Documents organizer, have interface familiar with OS file manager to manipulate folders and documents, set statuses for documents, display log activity and etc.

Source code: https://github.com/sysint64/ripa_archive

E2DIT

LANGAUGES: C++, D

Dec. 2014 - PRESENT

E2DIT - 2D map editor for games with rich functionality for manipulation of objects and changing their topology.

Application contain an own UI Toolkit written on OpenGL and an own format for serialization which can compiled to bytecode (e2ml).

- Rewriting bad architecture solution and using C++14: <https://github.com/sysint64/e2dit>
- First unfinished implementation: <https://bitbucket.org/lveteam/lve-mapeditor-framework>

APC Language

LANGAUGE: C++

Jun. 2012 - 2014

Implemented new language with static typing, classes, SIMD vectors etc.

Source code with examples: <https://github.com/sysint64/programming-language-APC>

Tetris

LANGAUGES: DELPHI

2011

Classic tetris with additional modes. Source code: <https://github.com/sysint64/tetris-glscene>

Fun Smile

LANGAUGES: DELPHI

2010

2D Arcade game. Source code: <https://github.com/sysint64/funsmile>