

Anna Burdanova

Software Engineer

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Education

University of the People

Bachelor of Science in Computer Science, GPA 4.0/4.0

USA, online

Sept. 2021 - End of 2022

Gubkin Russian State University of Oil and Gas

Bachelor of Science in Geology

Russia, Moscow

Sept. 2010 - June 2015

Skills

Languages Java, SQL, Python, VBA, R

Frameworks Spring, Hibernate, Flask, JUnit tests

Software and IDE Eclipse, Android Studio, LaTeX, Docker, Git

Projects

FamilyMoney - in development

Web application on Heroku platform for planning family expenditures

- Implemented database in PostgreSQL following the principles of normalization 3NF
- Automated loading of the bank transactions info with Jsoup
- Applied Thymeleaf template engine for generating HTML pages

Dogville game

2D pixel platformer game for Android smartphones, written on Java in Android Studio

- Solved problems of multithread communication and increased bitmap rendering efficiency on canvas, the enhanced game cycle provides stable 60FPS and FPS on tested devices.
- Designed a system of multitouch event handling with custom GUI, integrated with the in-game system of object collisions and interactions checks, supported on devices with screen aspect ratios of 4:3 and 16:9.
- Optimized application memory releasing over 50Mb from unused objects and parallax moving background, profiler tests show even CPU/memory load and light energy levels.

Experience

OpenGenus

Software Developer Intern

Japan, online

Apr. 2022 - June 2022

- Worked on a Hibernate project and published 10 articles about application development strategies with Hibernate 6.

SP Vietsovpetro

Geological Engineer

Vietnam, Vung Tau

Sept. 2017 - Jan. 2022

- Created a new tracking system to control 500 surface fluids samplings per year on all stages from sampling to analysis results, with automated invoices and reports and cut off 70% of time spent on manual reports.
- Collaborated with the IT department on the deployment of the company's web-portal report system, formalized user documentation, and consulted field operators on new features in 3 languages to speed up by 20% transition from the old system of Excel reports to the web application.

CTMP Centrmarkshejderiya

Geodesist

Russia, Tula

June 2015 - Sept. 2017

- Run on-filed tachymetric surveys with a team of geodesists, calculated coordinates in local and GPS systems, and enhanced time of preparing reports by 10% with AutoCAD automation tools.

Languages

English (advanced), Russian, Vietnamese