Anna Burdanova

Software Developer

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Education

University of the People *USA, online*
Bachelor of Science in Computer Science, GPA 4.0/4.0 *Sept. 2021 - End of 2022*

Gubkin Russian State University of Oil and Gas *Russia, Moscow*
Bachelor of Science in Geology *Sept. 2010 - June 2015*

Skills

Languages: Java, SQL, Python, VBA, R, LaTex

Frameworks: Spring Boot, Hibernate, Thymeleaf, JUnit, Eclipse, Android Studio, Docker, Git

Projects

FamilyMoney -.. todo...
Web application on Heroku platform for planning family expedentures

- Implemented database in PostgreSQL following the principles of normalization 3NF
- Automated loading of the bank transactions info with Jsoup
- Applyed 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 60UPS 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 *Japan, online*
Software Developer Intern *Apr. 2022 - June 2022*

- Published 10 articles on application development strategies with Spring Boot and Hibernate 6.
- Completed a final project ... todo ...

SP Vietsovpetro *Vietnam, Vung Tau*
Geological Engineer *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 *Russia, Tula*
Geodesist *June 2015 - Sept. 2017*

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

Languages

English (advanced), Russian, Vietnamese