

Olena Hlotova . Jarvis Consulting

I am a forward-thinking Junior Software Developer with a Bachelor's degree in Biomedical Engineering. I have proven myself focused and diligent in managing workloads and prioritizing tasks to meet deadlines. Working at Jarvis, I participated in multiple technical projects like Linux Monitoring Agent, Java Grep and Twitter apps. I like to develop practical and simple applications. For example, I designed and implemented a Telegram bot that helps user to choose a desired program and then to keep track of their fitness exercises daily. I am ready to make a direct impact, utilizing abilities in quality control and complex problem-solving to find the best solutions and achieve desirable results.

Skills

Proficient: Python, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git, Java

Competent: Pandas, NumPy, HTML/CSS, Docker, Keras, REST API

Familiar: Google Cloud Platform, TensorFlow 2.0, JavaScript, Flask, Machine Learning, Spring

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_OlenaHlotova

Cluster Monitor [GitHub]: Designed a Linux Cluster Monitoring Agent that can be used to record and monitor nodes/server hardware specifications and memory usage. Implemented the project on Linux CentOS 7 using a Docker container running PostgreSQL image. Created a database to keep and analyze the gathered information. Activated crontab to run a bash script every minute to collect the data and insert it into the database. Created SQL queries to detect possible host failures and average memory usage per host.

Core Java Apps [GitHub]:

- **Grep App:** Designed a Java app that imitates Linux 'grep' command. It allows the user to find matching strings in files (using regex) and saves matches in another file. The application was designed with Java 8, Lambda and Stream APIs, Apache Maven and was dockerized.
- **Twitter App.** Developed a Twitter Command Line Interface (CLI), which allows user to create, read and delete posts using the command line. The application was created and tested using Java, Twitter API, Spring, JUnit and Mockito framework.
- **JDBC App:** Implemented JDBC application to execute CRUD (create, read, update, delete) operations on PostgreSQL databases. The project was built with PostgreSQL Docker image, Java 8, JDBC API, Maven project management system and SQL.

Highlighted Projects

Daily Exercises. Telegram Bot [GitHub]: Created a Telegram Bot that 'remembers' your exercise program selection and allows to change the days, sending you links to the exercises. The project was designed and implemented using Python and Telegram API.

Personal website: Designed a personal website from scratch that will showcase my non-academic projects. In addition, it includes a small JavaScript game (Rock-Paper-Scissors-Lizard-Spock) and a 'Contact Me' form. To build the website, I used HTML5/CSS3, JavaScript, Python and Flask.

Professional Experiences

Software Developer, Jarvis (2021-present): Designed and implemented multiple technical projects and applications using a wide range of technologies such as Java, RDBMS, Linux, Docker, Git. Managed a team of five using Agile scrum workflow approach during scrum meetings and sprints.

Medical Office Manage, Ace Physiotherapy (2017-2021): Managed network performance, as well as diagnosed and resolved complex network problems. Wrote policies, procedures and manuals governing internal IT use. Identified computer hardware and software issues, performing troubleshooting techniques for remediation. Demonstrated strong analytical, troubleshooting and problem-solving skills.

Education

National Technical University of Ukraine KPI (2011-2015), Bachelor of Applied Sciences, Biomedical Engineering
- Scholarship

Centennial College (2015-2017), Advanced Diploma, Biomedical Engineering Technology

Miscellaneous

- Rice University Fundamentals of Computing Specialization (2021)
- Freecodecamp Responsive Web Design Certificate (2021)
- Secretary General of Model of United Nations