

# Aleksandra Lyabikhova

Back-end developer

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## Personal Summary

Desire to start a career as a backend developer. Like Node.js and JavaScript in general. Have an experience of a team work. Participated in a development of application architecture. I like to solve challenging problems. I'm used to additional studying in my personal time for achieving the best working results.

## Open Source Projects

- Browser-based educational application. A web realization of «Karel The Robot Learns Java». The main idea of project to help to learn simple algorithms with coding in Java, C++ and JavaScript.

*Technologies:*

- JavaScript, JQuery, Three.js.

*Responsible for:*

- map editor  
- code compiler

*Links:*

- <http://karelonline.shpp.me:8353/>
- <https://github.com/holateam/karelonline>

- Service side application for code execution. Compiles and executes code in isolated docker containers. Supported languages: Javascript, C++, Java.

*Technologies:*

- Node.js, Express, Docker

*Responsible for:*

- REST API  
- code validation  
- E2E testing

*Links:*

- <http://demo.coderunner.shpp.me:8423/>
- <https://github.com/holateam/coderunner>

- A middleware service for Streamyscope (similar to Periscope) mobile application. Supports Wowza streaming server. Involves users and publishers quotations and validation, prevents DDOS attacks to a server and server overloading.

*Technologies:*

- Node.js, Express, ffmpeg, Mocha

*Responsible for:*

- developing the manager of active streams

*Links:*

- <https://github.com/holateam/coderunner>

## Skills

**Strong Skills:**

- Node.js (Express.js)
- JavaScript (ES5-ES6)
- HTML, CSS
- Bootstrap, JQuery
- TDD, unit testing, E2E
- Linux, Bash
- Git

**Base Knowledge:**

- MySQL, MongoDB
- Angular.js, Backbone.js
- Sails.js
- EJS
- Docker
- Continuous integration with Jenkins

## Education

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|--------------------|---|
| <b>1999 - 2004</b> | Master's degree of Hydrogeology and Geotechnics Taras Shevchenko National University of Kiev    |
| <b>2015 - 2016</b> | Computer Science course of programming school programming.kr.ua based on Stanford CS 106A, 106B |