SERGEY ZOLOTUKHIN

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SOFTWARE DEVELOPER

Full-stack web developer, skilled in Ruby and JavaScript frameworks. With a background in Earth Sciences and Drilling, I have learned how to analyze data and make fast critical decisions for preventing additional expenses or eliminating chances of industrial disasters. Fluent in Russian, US citizen. Natural problem solver seeking a new path in life, not just a job.

TECHNICAL SKILLS

Ruby on Rails, JavaScript, React JS, Redux, HTML, CSS, SQL.
Currently studying: Python, Angular

TECHNICAL PROJECTS

alcoholOK 2.0 - Github | Demo
Online collection of Cocktail recipes developed with React-Redux and Rails API.
- Developed Rails API backend with endpoints for cocktails and ingredients.
- Used Middleware, Redux-Promise in application to retrieve data from Back-End and to perform RESTFUL services.
- Maintained states in the stores and dispatched the actions using Redux.

States Map - Github | Demo
Interactive USA map for enthusiastic travelers.
- Developed Rails API backend with endpoints for users and states.
- Built dynamic and interactive frontend in vanilla JavaScript.
- Utilized fetch, AJAX calls for implementing Client-Server Communication.

alcoholOK - Github | Demo
Online collection of Cocktail recipes fully developed in Ruby on Rails.
- Developed an application from scratch using Rails and various gems.
- Implemented many-to-many relationship, data validations, RESTful URLs.
- Integrated third party user authentication.

EXPERIENCE

Scientific Drilling International, Houston TX

Technical Services Technician   (June 2014 – June 2021)
- Served as a technical focal point for MagTraC, MWD QA/QC inquiries; provided support to field-based operations.
- Performed pre-drilling, real time and post-run checks of survey programs, appropriate corrections, magnetic model values and other reference data critical to producing valid surveys.
- Assisted in resolving customer issues by investigating problems, preparing reports, making recommendations to management.

Testing Laboratory of Engineering at Karaganda State Technical University, Kazakhstan

Geotechnical Engineer   (September 2011 – January 2013)
- Developed algorithms for X-Ray Spectrometry analysis of mineral resources.
- Rendered methodical and consulting help for scientific research, development of engineering works, marketing research, trial tests of new product samples and materials.
- Co-author of two innovation patents: "X-Ray Fluorescence analysis of the sulfur content of coal" June 25, 2013, #27186 and "Method for the control of the effective atomic number of the substance" Aug 3, 2012, #26115 registered by Committee on Intellectual Property Rights of the Ministry of Justice of Kazakhstan.

EDUCATION

Flatiron School
Full Stack Web Development (Ruby on Rails, JavaScript online program)   (2020 – 2021)

Karaganda State Technical University, Department of Mining, Karaganda, Kazakhstan
Master of Technics and Technology in Geology and Exploration Deposits of Minerals   (2013)
Bachelor of Geology and Prospecting of Mineral Deposits   (2011)