DMITRY JUM

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I am self driven, outgoing person, always looking for new challenges to overcome and problems to solve. I am passionate about web development, software engineering, happily working in this field and looking to learn more.

Skills

JavaScript
Ruby
Ruby on Rails
PostgreSQL
MongoDB
HTML
CSS
React.js
Redux.js
Backbone.js
jQuery

Employment

Atlas Obscura
Software Engineer
Remote
May 2020 to Sept. 2022

Definitive guidebook and friendly tour-guide to the world's most wondrous places. Travel tips, articles, strange facts and unique events.
Accomplishments and responsibilities:
- Continuously worked on main Ruby on Rails and Postgres web application maintenance and implementation of new features.
- Took part in building brand partnership custom pages.
- Advocated for TDD and documentation first strategy of building a new Atlas Obscura API to serve future iOS and Android applications (Rails, Rspec, stoplight.io for documentation)
- Assisted an iOS developer in building a couple of small iOS features with Swift UI as a learning experience
- Took part in re-architecture of the main web app implementing View Component design, Stimulus.js, Hotwire and Tailwind CSS

IVFQC (Althea Science)
Remote Contract Software Engineer
New York, NY
Mar. 2019 to Aug. 2019

IVFqc (Althea Science) is a community of embryologists, geneticists, health workers and patients who are involved in developing a contemporary suite of new Apps.
Applications that I worked on:
Generations - flexible application to track IVF process. Built with Ruby on Rails, JavaScript, HTML, CSS
Reflections - application for laboratory quality control, reporting and data entry. Built with Ruby on Rails, JavaScript, HTML, CSS

Accomplishments and responsibilities:
- Created a feature that enqueues autosaved requests from input field to browser LocalStorage, sends requests to server, removes them from the queue, or notifies the client of a network error and attempts to send requests again until success. Helps to solve the issue with unstable internet connection on client side. Solution was implemented in similar fashion to Generations and Reflections applications.
- Created Session Monitor feature on front end of Reflections and Generations applications that sets timer based on JWT expiration time, warns users of soon expiring session few minutes before in case of no requests sent to server and signs the user out if no action taken.
- Refactored a couple modals in Generations to load data once their open, rather than reload the whole page to update them on every autosave trigger in text input fields
- Extracted some statistical data from Reflections DB for future analysis.
- Started internationalizing Reflections application to Russian and Spanish languages using Rails I18n gem. Started with Home page.

XO Group Inc.
Software Engineer
New York, NY
Jan. 2016 to Nov. 2018

XO Group Inc. helps couples navigate and enjoy life's biggest moments. A premiere consumer internet and media company devoted to weddings, pregnancy and everything in between, XO Group owns and operates The Knot, The Nest and The Bump.

Accomplishments and responsibilities:
- Completed multiple A/B tests
- Refactored product gallery filters implemented with Backbone.js in Ruby on Rails application.
- Took part in building Engagement Ring wish list application, that helps bride-to-be hint her boyfriend/girlfriend on the ring she'd like to receive. The application is built with React 15 and MobX as store management and Node.js accessing several company's APIs in order to aggregate favorited Rings, their features, and salons in the are, that carry them
- Refactored legacy Admin application that manages products and designers on result pages of theknot.com. It's a single page application built with React.js and served with Node.js, that manages Postgres DB of main fashion Rails based API. I've taken part in upgrading React version from 13 to 15 updating syntax and multiple tests. Assisted in securing it with JWT authorization.
- I took part in building quiz type of application that guides brides in wedding dress selection and helps them understand their styles and recommends dresses and salons that they carry. The application forks off of existing similar quiz type app built with serverless Node.js on AWS Lambda and React 16 with Redux on front end.

Alumnifire (Pegu Labs, LLC)
Full Stack Web Developer
New York, NY
Nov. 2014 to Dec. 2015

Alumnifire is the first alumni networking platform powered by alumni that engages members to open doors and opportunities for one another in the real world and on their own terms.
The platform is built primarily with Ruby on Rails 4.2 and Ruby 2.2.3 with JS, JQuery and Bootstrap on front end. People search on the platform is utilizing ElasticSearch. Email services work as background jobs and implemented with Redis, DelayedJob and Resque.

Accomplishments and responsibilities:
- Created a dataset of over 1600 objects of 4 year US colleges and universities, each with attributes as: name, colors, mascot, location, founded year, subdomain.
- Collected large statistical data from all platform usage, created objects in DB, applied Google Analytics API to collect page visit and event counts. Implemented collected data in 10 administrator tables that aggregate all required data for last 4, 7 and 30 days.
- Built content management platform of About Guides and Articles of the website.
- Contributed to creation of school Moderator Tools: created feature that allows moderators suspend/approve users and send notifications, filter unwanted feed items.
- Added user features as "Welcome" new user, "Bookmark" feed item (person, job, company).
- Built School Quiz generation platform, that allows administrator to create new quiz, add questions, answers, ratings. Created actual user Quiz feature, that engages user in step by step quiz with multiple answer questions about history and information of the college they graduated. The Quiz can serve purpose of survey and generate useful statistical information.
- Built feature that allows users to search for people that are offering internships within their companies. It is customized search that saves previous user search criteria until it gets fulfilled. Fulfilled term means the user will be able to send multiple references to his/her resume. Locally extended functionality of Chosen jQuery plugin in order to preload option to select tag via AJAX (is utilized for location search criteria).

InviBox.com
Full Stack Web Developer
New York, NY
July 2014 to Oct. 2014

It's an email provider that implements request feature to filter incoming messages as its own spam-filter function. The platform was written in Meteor.js framework and based on Mongo Database. The email server was running on AWS SES for outgoing messages and Haraka SMTP server (based on plugins written in Node.js) for incoming messages.

Responsibilities and achievemnts:
- Fixed several bugs as deleting selected messages, blocking unwanted email addresses by dragging contact request to block area, adding contacts to separate groups.
- Added calendar feature to the platform. I used FullCalendar jQuery plugin and adapted it to Meteor.js platform. Made usure user can create new events and change their detail. Set up month and week calendar views.
- Completed existing Haraka SMTP server plugin to be able to receive incoming messages and create new conversations with them and save in Mongo database
- Ensured reactivity of incoming requests and messages in Meteor.js way

Projects

Us State Universities API
API server that daily reads Wikipedia page: "https://en.wikipedia.org/wiki/List_of_state_universities_in_the_United_States college", looks up college pages from the list on the page, parses college info into hashes and saves in DB, updates existing and adds new ones. It contains around 650 state colleges. User can query colleges by their name or any additional details. The server is built with Ruby on Rails and PostgreSQL DB with TDD pattern.
https://github.com/dmitryjum/us_state_universities

US State Universities UI
This project features the user interface for http://usastateuniversities.herokuapp.com API that contains US community college database with some minimal data scraped from schools' Wiki pages. This project lists schools from the database, lists the most popular available keys that are used in schools' descriptions. It allows users search for schools by any property. It's built with React 16 and Redux 4
https://github.com/dmitryjum/us_schools_ui

Education

General Assembly
Junior Web Developer Web Development Immersive 2014
Jan. 2014 to Apr. 2014
Ruby on Rails, JavaScript, Backbone.js, PostgreSQL, MongoDB

Minsk State Linguistic University
English and German languages and pedagogics 2008