DMITRY JUM

✉ dmitryjum@gmail.com
🌐 www.dmitryjum.com
in dmitryjum
⌗ dmitryjum

I was born and raised in Belarus. I moved to USA in 2008. I've always been interested in extreme sports, computer technologies, languages and psychology.I have studied in Linguistic University in Minsk, Belarus and I fluently speak English and Russian languages. I am self driven, outgoing person, always looking for new challenges to overcome and problems to solve. I have been working as a moving company sales person and estimator last few years, that has helped me become good communicator. I have taken 12 week web development immersive course with General Assembly. I have acquired skills in programming languages as Ruby and JavaScript, have learned how to build web application using Rails and Backbone frameworks. I am passionate about web development, software engineering, happily working in this field and looking to learn more.

Education

General Assembly
Junior Web Developer Web Development Immersive 2014

Minsk State Linguistic University
English and German languages and pedagogics 2008

Employment

IVFQC (Althea Science)   New York, NY
Remote Contract Software Engineer   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.
Reflections - application for laboratory quality control, reporting and data entry.

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.   New York, NY
Software Engineer   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've recently been taking 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)   New York, NY
Full Stack Web Developer   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.
- Created promotional pages for college employees and modified Alumnifire registration method for non-student users that doesn't require graduation year and utilizes slightly different validation method.
- 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).
- Currently working on alumni parents and friends user experience.

InviBox.com   New York, NY
Full Stack Web Developer   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

General Assembly   New York, NY
Student   Jan. 2014 to Apr. 2014
I have learned and practiced back-end web development technologies. I have built small programs with Ruby language as well as built websites based on Rails framework using SQL database as PostgreSQL and non-SQL database MongoDB. I have learned TDD and BDD with Rspec, Capybara, Jasmine.
I have worked with front end applications and learned and applied JavaScript and technologies and libraries based on it as jQuery, AJAX, Backbone.js

Projects

Electronic Skydiving Logbook
It is a management tool to for people involved in sport of Skydiving. It helps to log completed jumps, structure their details as location, aircraft, gear used, exit altitude, freefall time, as well as to associate pictures and videos taken during those jumps. It allows to share jump info/pictures/videos with other users. User can create his custom signature and witness-sign other people jumps. The interactive calendar allows user to navigate through jumps based on their date. The technologies used: Ruby on Rails 4, PostgreSQL DB, HTML5, HTML5 Canvas, CCS3, jQuery AJAX, jQury UI, Zurb Foundation, AWS S3

Imago. Image editor
It's a simple (yet) image editor, that allows user to create account, album, draw and image and save it, or upload it, edit it or delete it. User can draw with any color from wide range pallet and apply few filters to the image. The technologies used: Ruby on Rails 4, Mongo DB, HTML5 Canvas, CSS3, jQuery, Zurb Foundation, AWS S3

yagobuzzit.github.io
It is a small portfolio page for a friend where he can list his video editing work. It is fully built with Angular.js. I have adapted Masonry.js and Fancybox libraries to work with Angular and to have interesting visual effect to place and rearrange video screenshots in the grid.
The web site has admin page that allow site owner to manipulate content of the website which is stored on Firebase back-end service. Admin authorization and I\O is implemented with AngularFire API from Firebase.

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.