DMITRY JUM

SENIOR SOFTWARE ENGINEER

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Experienced full-stack software engineer with a passion for solving complex problems using modern technologies like Ruby on Rails, React.js, and Solidity. Skilled in building scalable web applications and smart contract systems, I thrive in both collaborative and remote environments, consistently delivering high-quality solutions. Always seeking opportunities to expand my technical expertise.

Skills

JavaScript
Ruby
Ruby on Rails
PostgreSQL
MongoDB
HTML
CSS
React.js
Redux.js
Backbone.js
jQuery
Heroku
AWS S3
Node.js
Stimulus.js
Rails ViewComponent
Rspec
Jest
TailwindCSS
Docker
Circle CI
DelayedJob
Sidekiq
SQL
Solidity
TypeScript
Next.js
GraphQL

Education

Eat The Blocks Bootcamp Apr. 2024 to May 2024
ETH Blockchain and Smart contract development with Solidity.
https://github.com/dmitryjum/EatTheBlocksBootcamp

Codecademy Apr. 2023 to Apr. 2023
TypeScript course certificate.
https://github.com/dmitryjum/codecademy_exercises

General Assembly Jan. 2014 to Apr. 2014
Junior Web Developer Web Development Immersive 2015
Ruby on Rails, JavaScript, Backbone.js, PostgreSQL, MongoDB

Minsk State Linguistic University
English and German languages and pedagogics 2010

Employment

Intelli Casino (Self Employed) Remote
Founding Software Engineer July 2024 to Current

Developing a Next.js, TypeScript, GraphQL, WebSockes and Solidity smart contract quiz platform generated with OpenAI API, featuring real-time player interactions and spectator betting on outcomes. Key responsibilities and accomplishments include:
https://github.com/dmitryjum/intelli-casino (Front End Quiz application) | https://github.com/dmitryjum/intelli-casino-dapp (ETH Solidity betting Smart Contract) | https://intelli-casino.vercel.app/
- Built the core quiz application with questions generated dynamically from the OpenAI API.
- Implemented WebSockets and GraphQL for real-time tracking of live games, allowing spectators to join and observe quiz progress.
- Created player and spectator roles, where players can create and answer quizzes, and spectators can bet on game outcomes.
- Developed a fully tested Solidity smart contract for spectator betting.
- Implemented a real-time component that lists open and active games available for betting or observation.
- Full deployment, crypto wallet and smart contract integration are next to be implemented.

Skillit Remote
Full Stack Software Enginer Aug. 2023 to Mar. 2024

Skillit provides construction companies access to a rapidly growing database of qualified workers and a suite of worker-first hiring tools that use rich datasets and powerful algorithms to generate better recruiting, employment and business outcomes.
I'm building new features for Skillit with Ruby on Rails, Hotwire (Turbo Frames/Streams), ViewComponents, Stimulus JS and Tailwind CSS. My accomplishments include:
- Data Management and Analytics Integration: Spearheaded the integration of Segment & HubSpot to synchronize with user attribute changes, enabling robust data analytics capabilities. Developed CSV output functionalities for interview data, facilitating easier data analysis and reporting for internal stakeholders.
- Advanced Feature Implementation: Led the addition of smart filtering on profiles. Instituted an advanced message handling system, including unread message tracking, to improve communication flows between employers and workers.
- Platform Security and Accessibility Updates: Overhauled permissions within the AVO administrative interface, ensuring staff access while securing against unauthorized superadmin access. Enhanced site accessibility by implementing a imask.js for US phone number fields, improving the platform's usability.
- Infrastructure & Documentation: Contributed to the platform's infrastructure by adding the Annotate gem for better documentation of models and tests, and integrating the Lefthook tool for pre-commit hooks, enhancing code quality and maintainability. Added a Lookbook engine and created dozens of component previews, establishing a comprehensive library of reusable UI components.

Atlas Obscura Remote in New York City
Full Stack Software Engineer May 2020 to Sept. 2022

As a software engineer, I was responsible for the maintenance and implementation of new features on the main Ruby on Rails and Postgres web application. My accomplishments include:
- Built an error handler object for the API layer, improving the reliability and stability of the application.
- Advocated for a test-driven development and documentation-first approach to building a new Atlas Obscura API, which will serve future iOS and Android applications.
- Took part in building custom pages for brand partnerships, contributing to the growth of the business.
- Contributed to the re-architecture of the main web app by implementing View Component design, Stimulus.js, Hotwire, and Tailwind CSS.
- Assisted an iOS developer in building small iOS features with Swift UI, expanding my skills and knowledge.
- Maintained software integration with Peak15 booking service. Kept the conversation between local booking representative and Peak15 integration support.
- Additionally I worked with our engineering manager to establish regular code reviews, ensuring the rest of the team stayed up to date with application rearchitecture done by another engineer.

IVFQC (Althea Science) New York, NY
Full Stack Software Engineer (6 months contract) Mar. 2019 to Aug. 2019

I worked flexible applications to track IVF processes and perform laboratory quality control (Genereations and Reflections applications). I worked independently with minimal onboarding and help from the team when I joined.
- Created a feature that enqueues requests from input fields to the browser's LocalStorage and sends them to the server, ensuring data is not lost in case of unstable internet connection.
- Developed a Session Monitor feature for Generations and Reflections applications that alerts users of soon-to-expire sessions and signs them out if no action is taken, enhancing security and user experience.
- Started internationalizing Reflections application to Russian and Spanish languages using Rails I18n gem.
- Refactored some existing features and extracted statistical data from the database of Generations and Reflections applications.
- Overall, my work at Althea Science allowed me to showcase my skills in Ruby on Rails, JavaScript, HTML, and CSS while working independently and delivering high-quality features and improvements to the applications.

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

XO Group Inc. is a consumer internet and media company devoted to weddings, pregnancy, and related topics. As a software engineer from January 2016 to November 2018, I completed multiple A/B tests, refactored product gallery filters using Backbone.js in a Ruby on Rails application, and helped build several applications, including an Engagement Ring wish list app using React 15 and MobX, a legacy Admin app using React.js and Node.js, and a quiz app guiding brides in wedding dress selection using serverless Node.js on AWS Lambda and React 16 with Redux. In addition, I occasionally mentored junior developers, providing guidance on best practices and assisting with troubleshooting technical issues.

Alumnifire (Pegu Labs, LLC) New York, NY
Software Engineer Nov. 2014 to Jan. 2016

Alumnifi re is an alumni networking platform that enables members to open doors and opportunities for one another on their own terms. The platform is built primarily withRuby on Rails 4.2 and Ruby 2.2.3 with JS, JQuery and Bootstrap on the front-end, and utilizes ElasticSearch for people search and Sidekiq for background jobs.
- Created a dataset of over 1600 objects of 4 year US colleges and universities with various attributes.
- Collected statistical data from all platform usage, implemented Google Analytics API, and created administrator tables that aggregate all required data for last 4, 7 and30 days.
- Built content management platform of About Guides and Articles of the website.
- Contributed to the creation of school Moderator Tools, including the ability for moderators to suspend/approve users and send notifications, and filter unwanted feed items.
- Built a School Quiz generation platform that allows administrators to create quizzes and generate useful statistical information.
- Built a feature that allows users to search for internships within companies and extended the functionality of the Chosen jQuery plugin to preload options for location search criteria. It is customized search that saves previous user search criteria until it gets fulfilled

InviBox New York, NY
Software Engineer July 2014 to Oct. 2014

InviBox.com is an email provider that includes a custom request feature for filtering incoming messages as spam, built with Meteor.js. I've fixed the bugs and enhanced message handling with MongoDB and Node.js. Developed a calendar feature with FullCalendar for event management. AWS SES service was used for outgoing messages. I Completed a Haraka SMTP server Node.js plugin for receiving and processing incoming messages. Improved platform reactivity and ensured seamless message handling.

Work Samples

US State Universities API & UI 2015 to Apr. 2023
Developed an API with Ruby on Rails, PostgreSQL, and TDD that scrapes, parses, and updates data daily for over 650 US state colleges from Wikipedia. Created a React 16 and Redux 4 UI to display the data, allowing users to search and filter schools by various properties.
https://github.com/dmitryjum/us_schools_ui | https://github.com/dmitryjum/us_state_universities