

# PAVEL PETRASYUK

## SOFTWARE ENGINEER

## PROFILE

Software Engineer with a passion for frontend and a strong focus on Intuitive UI and UX. Specialized in JavaScript (ES6+), React, Redux, TypeScript, RESTful architecture, Node/Express, Python.

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## EDUCATION

Introduction to  
Computer Science  
Harvard University  
2019

Bachelor of  
Economics  
MUH, Moscow  
2011 - 2015

## SKILLS

### //Front-end

JavaScript,  
TypeScript,  
React.js (Router,  
Context, Hooks),  
Redux, Enzyme,  
HTML5, CSS3,  
Bootstrap, jQuery,  
Webpack, Babel,  
Gulp.js, Chart.js

### //Back-end

Node.js, Express.js  
PostgreSQL, PLSQL  
MongoDB, Mongoose,  
RESTful Architecture,  
Mocha & Chai, JWT,  
Python

### //Dev-tools

Git, Github, Heroku,  
Chrome Dev Tools,  
Travis CI

## INTERESTS

Songwriting  
Cooking  
Reading(Fyodor  
Dostoyevsky)  
Hiking

## EXPERIENCE

### PROJECTS

**Dream.log** *Software engineer | New York | 2020*

[demo](#) | [client-side repo](#) | [server-side repo](#)

Full-stack web application. Dream journal/blog.

- Designed App Architecture & Constructed a PostgreSQL database to handle relationship between users and data, aiding logical organization of records while enforcing ACID compliance ensuring stability and predictability of data
- Built Node.js server integrating Express RESTful architecture by designing semantic routes and middleware to modularize the request-response allowing for easy configuration of additional features
- Stored bcrypt-encrypted user passwords in a database by randomizing salt rounds in order to ensure data consistency
- Built client-site web API by leveraging reusable components in React.js to dynamically render pages with varying user data
- Developed UX/UI by making it fully responsive for mobile devices using media queries in vanilla CSS
- Exploited Chart.js library to visualize users data as a part of the app functionality

**Bestie** *Software engineer | New York | 2019*

[demo](#) | [client-side repo](#) | [server-side repo](#)

Full-stack web application. A birthday reminder.

- Engineered a Node/Express server by creating custom middleware to handle authentication, session management, and serving static assets, decoupling server logic and maintaining a modularized and clean database
- Utilized Nodemailer, Handlebars and Cron to implement email notifications functionality
- Implemented JWTs by generating bearer tokens and validating a user session by caching the required credentials in order to optimize the number of requests made to the database, resulting in faster server response time and improved scalability
- Implemented unit testing using Mocha/Chai and SuperTest module

### WORK EXPERIENCE

**Front-end Web Developer** *Litanin.com | New York | 2019 - Present*

- Built reusable React Modules to supplement new features of the project
- Optimized design of web pages for smartphones and tablets to improve responsiveness and user experience by using CSS3
- Used JavaScript to design the logic of web applications
- Collaborated with other team members and participated in code reviews

**Software Project Manager** *Credit Europe Bank | Moscow | 2011 - 2015*

- Managed internal software projects
- Created project schedules and supervised a group of five engineers
- Created documentation and maintained project plan throughout project execution
- Acted as a liaison between the IT department and senior management