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| PAVEL PETRASYUK    SOFTWARE ENGINEER | | | |  |  | P R O F I L E  Software engineer with a passion for front-end and a strong focus on intuitive UI and UX. Specialized in JavaScript (ES6+), React, Redux, TypeScript, RESTful architecture, Node/Express. |

[**email:** ppavel0822@gmail.com](mailto:ppavel0822@gmail.com)  **//** [**linkedin:** devpavel](https://www.linkedin.com/in/devpavel/)  **//** [**portfolio:** pashatay.herokuapp.com](https://pashatay.herokuapp.com)

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| E D U C A T I O N    Introduction to Computer Science  Harvard University  2019    Bachelor of Economics  MUH, Moscow  2011 - 2015  S K I L L S  **//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  I N T E R E S T S  Songwriting  Cooking  Reading(Fyodor Dostoyevsky)  Hiking |  |  | **E X P E R I E N C E**  **PROJECTS**  **Dream.log** *Software engineer | New York | 2020*  [**demo**](https://dreamlog.now.sh) **|** [**client-side repo**](https://github.com/pashatay/dreamlog) **|** [**server-side repo**](https://github.com/pashatay/dreamlog-server)  Full-stack web application. Dream journal/blog.   * Designed App Architecture and 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. Stored bcrypt-encrypted user passwords in a database by randomizing salt rounds in order to ensure data consistency * 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 * Built client - site web API by leveraging reusable components in React.js to dynamically render pages with varying user data. Implemented React Context API to create a single store of truth to share state between deeply coupled components, decreasing the need for prop drilling and resulting in a more structured state management architecture with better application scalability * Configured Webpack module bundler and Babel transcompiler to transpile JSX and ES6+ to ES5 to allow cross-browser compatibility before bundling with static assets to reduce server calls leading to an overall increase in responsiveness after the bundle has been loaded * Exploited Chart.js open source library to visualize users data as a part of the application functionality.   **Bestie** *Software engineer | New York | 2019*  [**demo**](https://bestie.now.sh) **|** [**client-side repo**](https://github.com/pashatay/bestie) **|** [**server-side repo**](https://github.com/pashatay/bestie-server)  Full-stack web application. A birthday reminder.   * Leveraged React.js for its declarative nature and reusable component - based architecture to speed up development, utilizing its reconciliation algorithm to efficiently render the DOM, creating a streamlined UX able to handle dynamic state changes * 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 DB * Implemented JSON Web Token (JWT) 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 * Utilized Nodemailer, Handlebars, and Cron to implement scheduled email notifications functionality * Built out a full-stack testing suite with Jest.js and Enzyme to ensure business logic functionality of individual parts, thereby reducing runtime errors and speeding up the debugging process.   **WORK EXPERIENCE**  **Front-End Web Developer** *Litanin.com | New York | 2019 – Present*   * Built reusable React Modules to supplement new features of the project utilizing React Context API * Optimized and maintained design of web pages by utilizing HTML5 and CSS Flexbox following the mobile-first methodology to ensure consistent user experience across all device variants * Used JavaScript(ES6+) to design the logic of web applications ensuring a preeminent user experience * Collaborated with other team members and participated in code reviews.   **Software Project Manager**  *Credit Europe Bank | Moscow | 2011 – 2015*   * Managed internal projects by tracking the execution of features and capabilities of software products * Organized weekly continuing education courses on topics relevant to web dev, CS and Cyber Security * Executed project plans and performance requirements, while ensuring the team has appropriate resources to achieve project goals. Developed and streamlined internal process flows * Produced test scripts, demos, process manuals, training, and product delivery documentation. |