Dolf Barr

Senior Front End Engineer with 9+ years of experience and strong expertise in React, JavaScript, HTML and CSS
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Work Experience

Senior Front End Engineer, Invitae (contract)   **April 2019 – Present**
- Designed an order review backoffice SPA with React, React Hook Forms and Ant Design that leverages ML predictions for a 40% review speed increase
- Planned incremental migration of a key backoffice frontend application to a micro-frontend architecture with a container application and 5+ new frontend applications to improve maintainability and support team reorganization
- Led an integration process of the key internal application, providing expertise as a domain owner to support 17 new programs over a year, resulting in an 18% revenue increase
- Improved the test coverage of the order review frontend application by 15% by adding 250+ new tests
- Initiated a standardization process of frontend development tools across the web platform team, improving developer efficiency and lowering onboarding time
- Collaborated with 2 backend teams and a design team to establish contracts in REST API and integrate pricing service in 2 frontend applications, enhancing data consistency and improving user experience across the web platform team
- Increased the speed of Cypress end-to-end tests in the key internal system by 20% by optimizing tests' structure and configuration, leading to a 4-minute reduction in project build time

Front End Engineer, MindMapPro (contract)   **October 2015 – March 2019**
- Implemented a core engine of the mind map tool with Canvas (later with Cytoscape) and Websockets, allowing users to manipulate mind maps in real time and communicate with each other
- Developed an integrated real-time chat with Websockets and Draft.js, enabling users to communicate via rich text
- Engineered UI library and inner framework around React and Redux to help new developers keep the codebase consistent and to reduce onboarding time
- Streamlined the development of a Kanban tool and integration into the application with a team of 2 developers, resulting in a faster time-to-market for the integrated tool
- Mentored new developers in React, Redux, application architecture, and workflow (Agile, code review, CI/CD) to support an active hiring phase, improving coding standards and consistency within the team
- Optimized the production assembly of the project by code splitting and Webpack optimizations, reducing the size of data transmission by 4 times and accelerating the overall application loading speed by 6 times
- Optimized the speed of production build for services and libraries by 75% via tree shaking and caching dependencies, resulting in cost savings on server maintenance

Frontend Developer, KREOSOFT   **November 2013 – September 2015**
- Architected an UX friendly template website for a Local University, improving user experience for 10+ faculties
- Built an automated certification system for graduate students of Local University, reducing the speed of the document processing from 3 business days to 4 hours per application

Skills

Languages: JavaScript, ES6, TypeScript, HTML, CSS, Python
Frameworks and libraries: React, Redux, Redux Tool Kit, Nest.js (Node.js framework), React Hook Forms, Formik, Yup, Gatsby, SWR, Draft.js, Svelte, Cytoscape
CSS and UI Libraries: Ant Design, Material UI, Bootstrap, Styled Components, Tailwind CSS, SASS, Less
Testing: testing-library, Jest, Enzyme, Cypress, Storybook, Percy, Ava
Tools: Webpack, Websockets, Vite, Git, Docker, Nginx, Github Actions, CI/CD, ESlint, Prettier, npm, Yarn

Education

Bachelor, Computer Science, Tomsk State University   **June 2015**