

# Sergei Velichkin

## EDUCATION

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<b>Russia</b>	<b>South Ural State University</b>	<b>Sept 2011 - May 2016</b>
<ul style="list-style-type: none"><li>• <b>Major:</b> Mechanical Engineer, MS ( in major GPA: 3.67)</li><li>• <b>Certificate(Minor):</b> Computer Science</li></ul>		

## EMPLOYMENT

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<b>Senior Frontend Engineer</b>	<b>Tetrascience</b> Boston, MA	<b>April 2024 - now</b>
<ul style="list-style-type: none"><li>• Lead refactor all react context into rtk query to provide better caching which decreased db load by 20% and improved memory usage in the browser which made web site snappier</li><li>• Lead introducing micro service architecture on the frontend, to decrease aws cost of data apps usage by introducing our own tetra apps available across platform outside amin release cycles</li><li>• Optimized bundle to get 100% on Lighthouse dev tools</li><li>• Mentored junior developers</li><li>• <b>Tech:</b>React, redux-toolkit, javascript, typescript, NodeJs, Github, Docker, Storybook, AWS, Module federation</li></ul>		
<b>Software Engineer III</b>	<b>Tetrascience</b> Boston, MA	<b>Jun 2022 - Jun 2023</b>
<ul style="list-style-type: none"><li>• Speed up loading time by 50% by optimizing api call and bootstrap process</li><li>• Designed and lead Implementation of permission system for react application</li><li>• Decreased bundle size by 30% by removing and replacing libraries that were overkill for the project</li><li>• Implemented auth token refresh on the ui by using axios interceptors</li><li>• Mentored junior developers</li><li>• <b>Tech:</b>React, redux-toolkit, javascript, typescript, NodeJs, Github, Docker, Storybook, AWS, Module federation</li></ul>		
<b>Software Engineer II</b>	<b>Tetrascience</b> Boston, MA	<b>Jun 2021 - Jun 2022</b>
<ul style="list-style-type: none"><li>• Lead switching repo from js to typescript</li><li>• Refactored a lot of old class components to Function components</li><li>• Added custom webpack bundle to support code splitting, module federation, module.less</li><li>• Proposed adding storybook for ui library and added support for it</li><li>• <b>Tech:</b>React, redux-toolkit, javascript, typescript, NodeJs, Github, Docker, Storybook, AWS</li></ul>		
<b>Full Stack Web Developer</b>	<b>SMG Mobile</b> Wilmington, NC	<b>Sept 2020 - Jun 2021</b>
<ul style="list-style-type: none"><li>• Essential Personnel (<a href="http://www.essper.com">www.essper.com</a>) : Complete system for managing public safety professionals</li><li>• Developed REST API for full cycle reports creation and approvals, using Node.JS, implemented front-end according to the design in Figma using ReactJS</li><li>• Improved site rendering time by 15% using latest React features like memoization and useCallback</li><li>• Added caching for files in browser for better UX, helped to improve loading time by 10%</li><li>• </li><li>• <b>Tech:</b>React.Js, Redux, Javascript, Typescript, MongoDB, Node.Js, Github, Caching, Docker</li></ul>		

## TECHNICAL SKILLS

Javascript, React.Js, Redux-toolkit, Typescript, HTML5, CSS3, Python, AWS, Docker, Github, MongoDB, MySQL, GraphQL, Apollo, Module federation, AWS, Python, RTK query