

# Julia Kuchina

FRONT-END DEVELOPER, <https://jsouthwind.github.io/portfolio/>

## PROFESSIONAL SKILLS

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Languages	JavaScript (ES6), Typescript, PHP, Grails, SQL, HTML5, CSS3
Libraries / Frameworks	React, React-Native, Redux, Jest, GraphQL, ApolloGraphQL, react-jsonschema-form, three.js, D3, Chart.js, Leaflet, Turf, jsPDF, StyledComponents, PostCss, Sass, Bootstrap 3, Material-ui, Material-components.
Extra	React Hooks, React Context, React-Navigation, React-Native-Paper, API, eslint, html2canvas, sparse-octree, CSS animations, SVG, BEM, JQuery, WordPress
Databases	MySQL, Oracle DB
Tools	Webpack, Gulp, Git, NPM, SVN, Jira, VisualStudio, IntelliJ IDEA, WebStorm, Brackets, Sublime, Photoshop

I am a fast learner with a good math background. I enjoy clean code and functional programming.

## CONTACT DETAILS

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LinkedIn	<a href="https://au.linkedin.com/in/julia-kuchina-84924431">https://au.linkedin.com/in/julia-kuchina-84924431</a>
Web	<a href="https://jsouthwind.github.io/portfolio/">https://jsouthwind.github.io/portfolio/</a>
Work status	Australian Citizen

## PROFESSIONAL HISTORY

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06/2019 - present Senior Front-End Engineer at Centennial Coal	<p><b>Shift Performance Tool:</b> Designed and developed a React-Native app to let a user choose a list of the miners to see the current machine status. React-native, React-Navigation, React-Native-Paper.</p> <p><b>Real-time Performance Monitor application:</b> a mobile/desktop dashboard. React, TypeScript, ApolloGraphQL, ChartJS, material-ui.</p> <p><b>Workorders Board App:</b> adjusting and expanding a trello-like web board to suit specific project requirements. React, TypeScript, ApolloGraphQL, ChartJS, material-ui.</p> <p><b>Development of report application</b> A PWA that allows quick creation of</p>
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forms and reports, using react-json schema form as a base and material-ui as a styling base. Used technologies: React, React-hooks, React-Context, TypeScript, ApolloGraphQL, react-json-schema, Jest, StyledComponents, material-ui.

**Support and continue of development of several existing applications.** React, TypeScript.

09/2017- 05/2019  
Front-End Engineer at  
anditi.com

**3D portal.** This app allows a user to make measurements in 3D models (point cloud and meshes). Created an octree implementation to speed up a search of intersections in models. Implemented measurements include point of interest, distances, height tool, transect tool, annotations, volume, etc. All measurements have editable points, cursor change on hover, indicating if you could edit this point.

Short demo video: <https://bit.ly/2YZp5yF> (from 1:00)

Used technologies: three.js, React, React-Context, Redux, ES6, TypeScript, Jest, StyledComponents.

**Designed and developed a web application for solar panel placement.** This application lets users draw a roof plane on a map, place panels automatically or custom, rotate panels to better fit, load solar potential derived with the reflection of site location (climate, surrounding shade casting objects, etc), calculate energy output estimation and provide a user with beautiful printable pdf report.

Short demo video: <https://bit.ly/2Pvb5qs>

Used technologies: React, Redux, ES6, TypeScript, Jest, Leaflet, D3, jsPDF, html2canvas, Turf, StyledComponents.

**Developed anditi art website.** <https://anditi.art/>

Used technologies: React, Redux, ES6, TypeScript, StyledComponents

**Maintenance of anditi website.** <https://www.anditi.com/>

Used technologies: Wordpress, PHP, Javascript, Sass

03/2017-06/2017  
Web-developer at  
Increaseo.com  
(3-month contract)

**Implementation designs for WordPress websites.** Creating custom templates. Turning a Photoshop UX design (PSD) into HTML/CSS & Javascript. Mobile first and responsive is always in mind.

**Transferring hosting** (backups, databases), creating new hosting environments

<http://www.increaseo.com/>

Used technologies: PHP, Javascript, jQuery, WordPress, CPanel, Bootstrap, CSS, SVG, HTML.

04/2016 – 12/2017  
self-employed at  
Devspire Software

**Designed and developed flexible income tax calculator** which allows residents and non-residents to calculate tax by taxable year, included or not superannuation and student loan, different payment options, etc

<https://aftertax.com.au/>

Used technologies: Javascript, jQuery, Bootstrap, CSS, HTML

**Designed and developed front-end and part of back-end** for <https://openwage.com.au/> This website uses open data from Australian Taxation Office and represents information about average individual income by occupation, state, region and years.

Used technologies: Grails, Javascript, jQuery, Bootstrap3, CSS, HTML

2015 – 2017  
self-employed at  
Devspire Software

Customer support at <http://abncheck.com.au/> (part-time)

2009 – 2011  
self-employed at  
Readmanga.me

**Design new features**, content management, customer support at <http://readmanga.me/>

11/2007 – 04/2008  
Java developer at  
Systematica Business  
Software

Bug fixing in Java code. Creating complex SQL based reports on government social payments database.  
Used technologies: SQL, HTML, Java.

2002 – 2005  
Web Developer at  
Orenburg State  
University

**Implemented a new design for the university website, performed maintenance and development of CMS.** Providing technical support for end users <http://www.osu.ru/>

**Designed and developed website for [scientific research magazine Vestnik](#).** Developed search and user friendly interface for adding/editing/deleting of articles. Enable users to filter articles by author, department or publication ID

**Designed and developed telephone directory application.** This directory website enables user to perform search by department, professor or university employee. [Site of a telephone directory](#)

Used technologies: PHP, SQL, HTML, CSS, XSLT, XML, Oracle DB.

## EDUCATION

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02/2017  
Free Code Camp

Certificate of accomplishment with highest distinction of front end development program.  
<https://www.freecodecamp.com/jkuchina/front-end-certification>

1998 – 2003  
Orenburg State  
Pedagogical  
University

Master degree in Computer Science and Mathematics