

# YULIA KUCHINA

SENIOR FRONT-END ENGINEER

[PORTFOLIO](#)

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[LinkedIn](#)

Sydney

Australian citizen

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## SKILLS

Languages	Typescript, JavaScript, Node.js, SQL, HTML5, CSS3
Libraries	React, React-Native, Next.js, Jest, Styled Components, Material-UI and more
APIs	GraphQL, REST
Extra	Web3, React Hooks, Redux, Zustand, Flow, PostCSS, Sass, Storybook, Webpack, Azure, Firebase, Git, Github actions, CI/CD, Agile
Special Abilities	Complex Data visualisations using D3 or React + canvas 3D in a browser (tree.js, babylon.js) Maps (leaflet, Mapbox, Maplibre, deck.gl) Web3

I am a React developer with more than 5 years of commercial React experience and more than 9 years of Front End development. I am a fast learner with a good math background and a love for clean code and functional programming

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## PROFESSIONAL HISTORY

Kablamo | 05/2022 - Current

*Senior front-end engineer, 12-month contract, extended*

- Developed Aviation Safety dashboard for NSW RFS.  
React, Typescript, Mapbox, Maplibre, Storybook, Jest.
- Developed scenario prediction feature for Firestory (bushfire prediction app).  
React, Typescript, Mapbox, Storybook, Jest
- Developed forge.polemos.io web3 platform for gamers to exchange knowledge and game NFTs.  
React, Typescript, wagmi, @web3modal, Gitlab, styled-components, Storybook, Jest

## Revenue NSW | 09/2021 - 05/2022

*Senior front-end engineer, 6-month contract, extended*

- Developing Land Tax Payments application. Creating coding tests for interviews. React, Typescript, rxjs, Redux, Gitlab, styled-components, Storybook, Jest

## Kablamo | 03/2021 - 09/2021

*Senior front-end engineer, contract*

- [ABC triple j Unearthed project](#). Created a functionality for a new react app to upload and manage musical tracks and allow users to leave reviews.
- Worked in a team to develop a [firetrail.io](#) web app for bushfire analysis and predictions. Implemented multiple Mapbox and deck.gl layers to toggle critical infrastructure objects, prediction isochrones, firetrucks updated locations, etc. React, Typescript, Flow, Mapbox, deck.gl, styled-components, Storybook, Jest

## Adrenial | 11/2020 - 03/2021

*Front-end engineer*

- Designed and developed complex interactive tree visualisations for the company ticketing system, based on USL model.
- Designed and developed highly interactive UI for transcribing tool: subtitles editor with interactive diagram (length, time, distribution, highlighted current).
- Worked across multiple projects to implement new features. React, Typescript, Material-UI, Firestore, REST API, Jest, React-testing library, D3, Storybook

## Centennial Coal | 06/2019 – 11/2020

*Senior front-end engineer*

Worked as only Front-End dev across seven projects for the last eight months. Designed, developed and maintained multiple projects.

- Shift Performance Tool: a React-Native app to let a user choose a list of the miners to see the current machine status.
- Real-time Performance Monitor application: a mobile/desktop dashboard.
- Workorders Board App: adjusting and expanding a trello-like web board to suit specific project requirements.
- Development of report application A PWA that allows quick creation of forms and reports, using react-json schema form as a base. React, React-Native, Redux, Typescript, GraphQL, Jest, Material-UI, Storybook

## Anditi | 09/2017 – 05/2019

*Front-end engineer*

- 3D portal for measurements in 3D models (point cloud and meshes). Implemented an octree to speed up a search of intersections in models, UI measurement tools including point of interest,

- distance, height tool, transect tool, annotations, volute, etc. Short demo video (from 1:00)
- Designed and developed a solar panel placement web app. Users can draw a roof plane on a map, place panels automatically or custom, rotate panels to a better fit, load solar potential image derived with the reflection of the site location, calculate energy output estimation and generate a pdf report.
  - Developed Anditi Art, maintenance of Anditi website.  
React, Redux, Typescript, Three.js, D3, Leaflet, Styled Components, Jest

## Increaseo | 03/2017 – 06/2017

*Front-end engineer, contract*

Development of WordPress websites. Creating complex, highly interactional SVG diagrams.  
Managing hosting (backups, databases).  
WordPress, PHP, jQuery, Bootstrap, CPanel

## Devspire Software | 2015–2017

*Front-end engineer, self-employed*

Designed and developed an income tax calculator. Residents and non-residents can calculate tax by taxable year, included or not superannuation and student loan, different payment options, etc  
Designed and developed <https://openwage.com.au/> to visualise open Australian Taxation Office data about average individual income by occupation, state, region and years.  
Customer support at <http://abncheck.com.au/> (part-time)  
Javascript, jQuery, Grails, Bootstrap

## Readmanga | 2009–2011

*Self-employed*

Design of new features and UI, content management, and customer support at  
<https://readmanga.live>

## Systematica Business Software | 11/2007 – 04/2008

*Java Developer*

Creating complex SQL-based reports on the government social payments database. Bug fixing in Java code. SQL, Java

## Orenburg State University | 2002–2005

*Web developer*

Implemented a new [university website](#) design, performed maintenance and development of CMS. Technical support for end-users.

Designed and developed [Scientific Research Magazine Vestnik](#) and [Phone Directory Application](#), including CMS for both.

PHP, SQL, XSLT, XML, HTML, CSS

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## EDUCATION

Master's degree in Computer Science and Mathematics

*Orenburg State Pedagogical University 1998–2003*