

SHAOJIANG CAI

China - (+86) 13860897706 - caishaojiang@gmail.com

HIGHLIGHTS

- 10+ years of professional experience in front-end development. An active Toptal freelancing developer for 6 years. Comprehensive understanding of HTML5, CSS3, ES6 and React.
- Proficient in React. Work extensively with React, TypeScript, Next.js, Nest.js, Axios, Redux, Tailwind, Material-UI and WebSocket. Write test cases in Jest, React Testing Library and Cypress.
- Skilled in responsive design and RESTful. Thorough understanding of HTTP/HTTPS and TCP/IP.
- A front-end enthusiast, team player, and fast learner. Self-motivated and attentive to details.

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE, SINGAPORE

Master of Science by research, Information Systems, Aug 2008 - Jul 2011

RENMIN UNIVERSITY OF CHINA, BEIJING

Bachelor of Engineering, Information System, Sep 2004 - Jul 2008

EXPERIENCE

Full-stack Developer

Lua Labs - Oct 2024 till present

- <https://bitbot.tg/>: a defi trading miniapp on Telegram. It supports crypto assets trading on Base, Binance Smart Chain and Solana Chain.
- Responsible for trading portal development and assets management. Developed the powerful order form with versatile order types and dynamic parameters.
- Tech in use: Next.js, React, TypeScript, Zod, tRPC, Node.js, Tailwind, Shadcn, Hox, react-hooks-form, Axios, React-query, Prisma, PostgreSQL.

Lead Front-end Developer

Pano AI - Feb 2023 to Sep 2023

- Lead Front-end developer on Pano AI: <https://360.pano.ai>, a wildfire detection, and monitoring system.
- Architect the front-end with React, TypeScript, Material-UI, Mobx/Recoil, Tailwind, Mapbox and Axios.
- Setup testing frameworks with Jest, React-testing-library, Cypress, and Storybook.
- Monitor front-end performance with Mixpanel, Sentry, and Google Tag Manager.
- Develop features of Pano AI 360 front-end, including Image Player, Fire Map, Optical Zoom, API Proxy, and Recoil Data Store, etc.
- Build an Image Player in native HTML5 canvas APIs to view large amounts of panorama images from different locations. Users can pan, zoom in/out, resize, and mark fires on the player.

Senior Front-end Developer (T3.1)

Binance (Ceffu) - Jun 2022 to Feb 2023

- Core front-end developer on Binance Custody for Institutions (brand Ceffu). Ceffu manages crypto assets for global clients, like large financial services firms, institutional investors, and crypto-native firms.

- In charge of features development: UI polishing, internationalization, and internal CMS integration.
- Main contributor on Admin Panel of Binance Custody for Institutions.
- Tech in use: Next.js, React, TypeScript, Tailwind, react-hooks-form, react-query, Axios.

Senior Front-end Developer

Bitfinex - Nov 2019 to Mar 2021

- Core developer on Bitfinex main portal, responsible for front-end features development, including Order Form, Order Book, Funding List and Security Settings.
- Main contributor on Bitfinex Security, eosfinex, Bitfinex Staking. Developed front-end features like i18n, Theming, Order Form, Rate Calculator and Responsive Design.
- Tech in use: React/Redux, Saga, WebSocket, Tailwind, Material-UI.

Senior Freelancing Front-end Developer

Toptal.com - May 2017 to Nov 2019, Mar 2021 to Jun 2022

Worked on a lot of React/Redux projects. Code in React Hooks, TypeScript, Svelte, Next.js, Tailwind, Material-UI, WebSocket, Storybook, Cypress, and many more. Projects include:

- Array (Array, Web Components): HTML/CSS team lead.
- Aptiv (nuScenes, DriveLogs, Annotations): principle front-end dev.
- CoinCheckup, TinyMCE, TravelFlan, VisionInterchange and many more.

Senior Front-end Developer

European Bioinformatics Institute, Cambridge United Kingdom - Jun 2016 to Jun 2017

- A focused front-end developer of Europe PMC. The project collects and indexes 32 million research abstracts and 3.9 million full-text papers. It provides a performant literature-searching service for researchers in life science.

Front-end Developer

RingCentral Inc. Xiamen China - Nov 2014 to Jun 2016

- Key front-end developer of Developers Portal Web in AngularJS.
- Bootstrapped the mobile version of Developers Portal Web in React.

Bioinformatics Specialist

Genome Institute of Singapore, A*star Singapore - May 2012 to May 2014

- Sole Front-end Developer of BASIC (Browser for Applications in Sequencing and Integrated Comparisons), a web-based genome browser for next-generation sequencing data.
- Visualized NGS (Next-Generation Sequencing) data of various data formats.
- Developed internal pipeline PGS (Pipeline for Genome Sequencing) for NGS data analysis used at GIS.

ADDITIONAL INFORMATION

- Native Chinese speaker, fluent oral English
- Doctoral Scholarship, National University of Singapore, 2008 - 2012
- National Scholarship, China, 2006