

SHAURYA PURI

SOFTWARE ENGINEER - [HTTPS://SHAURYAPURI.VERCEL.APP/](https://shauryapuri.vercel.app/)

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SKILLS

Languages / Libraries: JavaScript, ReactJS, React Native, Typescript, Material UI, SQL, Python, Redux Toolkit, AG Grid, Trading View, Web Sockets, REST, Git, JEST, React Joyride, React Query

EXPERIENCE

FRONTEND DEVELOPER, ONYX CAPITAL GROUP

JANUARY 2024 - PRESENT

- Lead frontend developer building the firm's proprietary digital liquidity hub for oil swaps [Flux Pro](#) (a greenfield project)
- Delivered three key widgets in the first two months required to take the application to production with real (internal and external) users. One of them being the Pricing widget that uses AGGrid, ReactJS, Typescript and WebSockets to seamlessly stream real time price updates of up to 650 different contracts across up to 120 different tenors.
- Delivered a Charting widget using the above tech stack & Trading View to subscribe to a contract and visualise it on a chart with real time price updates from the streaming api. Extended this to a Floating Chart widget with capabilities to generate and keep a track of user's selected contract from the Pricing widget & Seasonal Chart widget to display selected contract with applied formulas overlayed with data from previous expired contracts to analyse & spot trends.
- Built a Trading widget for internal users to be able to trade / market make contracts in real time, consolidating a lot of third-party applications, saving the firm over half a million a year in trading fees. Plan is to scale this tool for external users as well and make it a money-making area for the business.
- Built an Admin tool for the Risk / Engineering teams to be able to monitor / resolve any outliers in the data or perform trade reconciliation.
- Resolved UI bottlenecks and performance improvements across the application significantly improving the application load time and memory consumption. The efforts significantly improved the low-latency and overall health of the application.
- Reporting directly to the CCO, actively involved in discussing new features with the sales teams and collating user feedback for further improvements of the product.

FRONTEND DEVELOPER, GSR

MAY 2022 - DECEMBER 2023

- Part of the High touch trading team building widgets for the firm's in-house proprietary trading and management platform.
- Built URL state persistence between page reloads in ReactJS, Typescript, Redux & AG Grid that uses URL params for users to easily be able to share a filtered state of the grid between each other. Built a bookmarks feature on top of this for users to be able to save a persisted URL as a bookmark within the application for rendering views quickly.
- Built a Streaming Widget in ReactJS, Typescript, MaterialUI, React testing library (Jest) & Electron that uses web socket connections to get live risk data and displays it to the users in a live, dynamic grid using the Perspective library. It also allows the users to schedule recurring report snapshots and have them sent to a slack user / channel via the Slack bot API.
- Created a reusable graph component in ReactJS, Typescript & HighCharts library to improve the overall user experience by visualising data on powerful dynamic graphs in place of static embedded SVGs across the application.
- Working with React query to fetch REST JSON data via numerous Java / Rust backend APIs across the application using Redux toolkit, ReactJS & Typescript via a thunk eventually modifying the slice and the state of the application.
- Speaking directly with DevOps, SRE, Traders and Quants on a weekly basis, for gathering requirements, discussing proposed solutions, preparing the sprint and production releases in a fast environment using CI/CD tools such as JIRA, Gitlab, & Confluence.

SOFTWARE ENGINEER, UBS AG

SEPTEMBER 2020 - MAY 2022

- Developed Market Intel, a micro-frontend based tool in ReactJS, Redux & AG Grid that lists all the equities in a client certificate and displays related equity research and or sales commentary for each of them.
- Developed a graphical agile org chart web tool using ReactJS, MaterialUI, d3js, Python to visualise the alignment of the organisation split into Members, Squads, Tribes, Chapters and Guilds as nodes links defining relationships / dependency between them.

SOFTWARE ENGINEER - SUMMER INTERN, DEUTSCHE BANK

JUNE 2019 - AUGUST 2019

- Developed a Sentiment Analysis research system using ReactJS, NLP, Python, d3js & SQL that compares the market sentiment data of a stock to its stock price over time in a graphical visualisation.

SOFTWARE ENGINEER - INDUSTRIAL PLACEMENT, UBS AG

JUNE 2018 - JUNE 2019

EDUCATION

UNIVERSITY OF LONDON, ROYAL HOLLOWAY

CLASS OF 2020

- First Class, BSc. Computer Science with Artificial Intelligence and a year in industry
- International Excellence Scholarship (£10,000 towards tuition fees) & Winner, Cisco University Challenge 2017