

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 WebSockets, Git, JEST, React Joyride, React Query

EXPERIENCE

FRONTEND DEVELOPER, ONYX CAPITAL GROUP

JANUARY 2024 - PRESENT

- Lead frontend developer, working alongside a remote contractor building the firm's proprietary trading platform Flux (from scratch).
- Delivered three key widgets in the first two months required to take the application to production with real 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 is 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 selection of a price cell of a contract in the Pricing widget.
- Built a Trading widget (still being dev tested, not in production yet) for users to be able to trade contracts in real time, this would turn the application into an exchange, consolidating a lot of third party applications into one, generating a new source of income for the firm whilst also saving over half a million a year in trading fees via third party applications.
- Resolved UI bottlenecks and performance improvements across the application significantly improving the application load time and memory consumption.
- Reporting directly to the CTO, 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 paced delivery 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**