

SHAURYA PURI

SOFTWARE ENGINEER - WWW.SHAURYAPURI.VERCEL.APP

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SKILLS

Languages / Libraries: Javascript, ReactJS, React Native, Typescript, HTML, CSS, DOM, NodeJS, SQL, MongoDB, Python, Electron, Redux Toolkit, Perspective, Material UI, AG Grid, Web Sockets, Git, JEST, Styled Components, React Joyride, Highcharts, React Query
Tools / Software: Webstorm, VSCode, Gitlab, Postman, Confluence, JIRA, Figma, Microsoft Azure, Alteryx

EXPERIENCE

SOFTWARE ENGINEER, GSR

MAY 2022 - PRESENT

- 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 an API using **Python** and **Django** which connects to the exchange's web socket API and subscribes to the "ticker" channel to stream asset prices and connect them to an order subscription model for the user to be able to subscribe to via the Trader Widget on the UI.
- 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.
- With no UX Designer on the team, expanded my skillset to use **Figma** to prepare a UX standards document, prototyping user interfaces and journeys to collaborate with business teams and discussing unique solutions.
- 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. Used **Azure Functions (NodeJS)** and **Azure Cosmos DB (MongoDB)** to create a serverless API for the feature and collate data from numerous collections.
- 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. Wrote serverless **NodeJS Azure Functions** on top of this for interfacing the tool with an **Azure Cosmos (Mongo) Database**.
- Wrote a Data ingestion and transformation autosys batch script in **Python** to get latest customer data from an external API client source and match it against our internal data to improve the data quality for downstream apps used by researchers & traders.

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. The tool uses a web crawler to index numerous web pages to source data for sentiment calculation and a **web socket api connection** to stream live stock price info.

SOFTWARE ENGINEER - INDUSTRIAL PLACEMENT, UBS AG

JUNE 2018 - JUNE 2019

- Created a Sales calculation metric ETL on **Alteryx** that would pull numerous metrics to calculate a rating from 1-5 for every salesperson in the Equities trading team
- Developed a Payments Management tool for UBS Neo around *Mifid-II* using **ReactJS & Redux** to audit errored payment transactions and perform manual interventions as necessary.

EDUCATION

UNIVERSITY OF LONDON, ROYAL HOLLOWAY

CLASS OF 2020

- **First Class**, BSc. Computer Science with Artificial Intelligence and a year in industry
- Awarded with an **International Excellence Scholarship** (£10,000 towards tuition fees)
- Winner, **Cisco University Challenge 2017**
- **Dissertation:** P2P grocery delivery app written in **React Native Expo, Microsoft Azure** (Functions & Cosmos DB)