

# SHAURYA PURI

SOFTWARE ENGINEER - WWW.SHAURYAPURI.VERCEL.APP

PURI.SHAURYA9@GMAIL.COM | +44 7510006596 | LONDON, SE1 6EJ

---

## 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

- Working in the Overwatch / High touch trading team building numerous widgets for the firm's in-house proprietary trading and asset 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.
- Created a guided widget tour component using **React Joyride library** to help onboarding users onto a complicated and new widget.
- Extensively using **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.
- Performed batch jobs migration to an automated streaming micro-service for streaming tags in BTS API using **Kafka, Java**

### 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)