

# Shahid Hassan

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## SKILLS

**Languages** : JavaScript, Java, Python, HTML, CSS

**Frameworks/Libraries** : React, React Native, Node, Express, TypeScript, Spring Boot, Redux, Playwright, Jest

**Other Technologies** : Git, CircleCI, GitHub Actions, Sentry, Figma, WebSockets, Webpack, Vite

## WORK EXPERIENCE

### **Bayes Esports, Germany | Senior Frontend Engineer**

Nov 2022 - Present

- Lead the development of multiple frontend products overseeing the entire development process from architecture setup, design review, implementation, testing and delivery while leading a team of two. Used **React**, **TypeScript**, **Redux** to develop and **Mantine UI** to create a reusable UI component library with **Jest** and more recently **Playwright** for unit, e2e and snapshot tests.
- Developed a framework agnostic **JavaScript** library that plays **HLS** video streams, to allow clients to seamlessly integrate in the company's video on demand platforms using **Webpack** and **Typescript**. **Jest** was used for unit tests.
- Contributed to the development of Bayes Widget, an embeddable client side library that provides realtime esports analytics, interactive 2D maps as well as embedded live streams. The tool was built using **React** and **Tailwind** was used style the application with **Context API** being used for light weight state management.
- Contributed to the overhaul of multiple legacy frontend applications, refactoring from component based to a modular architecture, migrating from basic API implementations to **RTK Query** introducing **caching** and improving overall performance, as well as replacing cluttered **SASS** files with cleaner reusable component library based on **Mantine UI**.
- Played a pivotal role in developing build, test and release workflows using **CircleCI** orbs, introducing new workflows to deploy review applications as well as contributing to the eventual migration towards **GitHub Actions**.

### **Singlife - Rhino Partners, Sri Lanka | Senior Software Engineer**

Dec 2021 - Oct 2022

- Setup the initial frontend architecture and CI workflows for the Singlife insurance portfolio management mobile application using **TypeScript**, **React Native**, **Redux** for state management, **Jest** for unit and snapshot testing and **App Center** for continuous delivery across different environments , Apple and Android.
- Contributed to more **Fintech** relevant features for the above app, efficiently leading a team of three as well as having collaborated with other team leads to assist in reviewing their features, for seamless production deployments.

### **Calcey Technologies, Sri Lanka | Software Engineer**

Dec 2020 - Dec 2021

- Contributed towards the development of complex data visualisation charts using **D3** for the analytics module of Ancon Cloud portal, an all inclusive cloud POS system for restaurants built using **React** and **Typescript**.
- Migrated multiple **React** and **React Native** products of the above cloud system to **SignalR WebSockets** which resulted in clients tracking inventory and orders more efficiently and accurately.
- Solely responsible for reviving a discontinued **React Native** kiosk application, bring it to a production ready state. Integrated **Sentry** for error tracking, **CodePush** to deploy changes directory as JS bundles and features such as localisation and domain level white labelling incrementally.
- Designed and developed a drag and drop style layout management system for restaurants using **React**, **Canvas API** and **Konva**. Also developed to a subsequent feature to display the created layouts and manage orders for each table within the layout in a **React Native** POS application.
- Developed **CircleCI** pipelines for all products of the Ancon Cloud system which consists of **React** and **React Native** applications to seamlessly provide continuous integration and delivery across multiple different teams, stakeholders and environments.

## EDUCATION

**BSc. Honours, Software Engineering** | Staffordshire University, UK

2016 - 2020