

KANISHK SANKPAL

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SUMMARY

Senior Full-Stack Engineer with ≈ 5 years of industry experience developing fluid and responsive UI with robust and scalable microservices. Leading team of 9 UI engineers across 3 locations and 2 time zones for last two year. I like to be in a challenging position because adversities have taught me the most.

EDUCATION

Bachelor of Technology in Computer Science, VIT Chennai

8.24 CGPA, 2015-2019

SKILLS

Technical Skills JavaScript, TypeScript, ReactJS, ES6, D3.js, Virtualization, Jest, Redux, WebSockets, Tailwind Headless UI, Build Optimization, State Management patterns, Flux, Jenkins, GIT, AWS SDK IBMMQ, FileNet, Java, MySQL, ActiveMQ, SpringBoot, Hibernate, JUnit, REST Architecture, ECS Buckets, Drools Engine

Soft Skills Mentor new hires, guide and assist dev community, effective communicator, Agile methodologies

EXPERIENCE

Technical Lead

July 2023 - Present

Deutsche Bank - DWS Group

Pune India

- CCA/SoD Project - Application is a post-trade compliance tool. Created and presented the design to the **Design Council**, created strategic sol'n leveraging DaaS(es). App processes **$\approx 60k$ trades daily**. Lead team of 8 engineers.
- In addition to my role as an Individual Contributor (IC), I assume leadership responsibilities by overseeing projects and teams. Collaborating closely with **Project Managers** and **SteerCo**, I contribute to the formulation of project delivery plans and prioritize tasks effectively.
- My role extends to guiding and facilitating project team members, ensuring their workflow remains unimpeded. Furthermore, I engage with cross-functional teams, including Infrastructure, Platform, and other dependent parties, to proactively identify and mitigate risks, thus facilitating the seamless delivery of projects.

Associate Engineer

June 2019 - Present

Deutsche Bank - DWS Group

Pune India

- Received **CEO Recognition award** for handling multiple projects with ambitious deadlines, increasing overall **sonar coverage by 21%**, completed various tech migration like JS to TS, [muster-migration](#), CRA migration, Gradle migration & Jenkins migration, proactively became authorized **Change Initiator**, handled change management & production releases.
- Contributed to **platform library**; developed generic components that were used across the company, shortening project completion timelines.
- Proactively requested and assumed responsibility for business demonstrations.
- Assumed the role of **UI team lead** during a pivotal phase, demonstrating technical expertise and leadership.

PROJECTS

NAVA - Tech: TypeScript, ReactJS, WebSockets, AG-Grid, Jest, ActiveMQ, ECS, Drools Engine

- Built a tool that automates the process of recognizing trade outliers. Processes **$\approx 21k$ trades daily**.
- Employing advanced techniques such as **pagination and infinite scroll**, I ensured smooth navigation through vast datasets.

- Moreover, I implemented **live communication** functionality utilizing WebSockets, enabling **real-time updates** for enhanced user experience.
- My expertise extended to **build optimization**, where I meticulously optimized the **bundle size**, successfully reducing it from unwieldy **megabytes to lean kilobytes**, thereby significantly enhancing the application's performance and responsiveness.
- Developed generic user-control flow api solving all operational use cases. Its **generic design** helped in delivering app well before the deadline.
- Used ECS buckets to handle attachments.

Transaction Reporting - Tech: TypeScript, ReactJS, Flux Pattern, JAVA, SpringBoot, Hazelcast, FileNet

- Built a regulatory tool for projecting various **analytics** and generating daily and **long-running asynchronous reports**; processing **≈50M records**.
- Tool highlighted as a reliable source by senior operations specialist. The tool helped mitigate millions of regulatory fines by **reducing turnaround time** from weeks to days.

Planeta - Tech: JavaScript, ReactJS, STOMP protocol

- Built a trader's tool that engages idle cash back in the market reducing the custodian's cost. The daily net flow of transactions covered over **≈4M USD**.
- Developed high performance **grid editing** and used **Yup** for validation

UIX Platform - Tech: Typescript, React Window, Storybook, Vite

- Developed virtualization support for all headless select components, 1000+ elements rendered smoothly. Brought down total **rendering time from ≈8s to ≈520ms**.

PUBLICATION

B. R, H. S. Dayal and K. Sankpal, "Emotion Classification Using Single-Channel EEG," 2019 International Conference on Computing, Power and Communication Technologies (GUCON), New Delhi, India, 2019, pp. 360-366.

LEADERSHIP

- Conducting regular one-on-one sessions with team members to ensure overall team satisfaction and well-being.
- Introduced technology-focused discussion calls to foster a culture of continuous learning and promote collective growth within the team.