

Manpreet Kaur Bedi

Senior Software Engineer at S&P Global

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TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Node.js, C#
- **Tools:** BitBucket, Jira, Kibanna, Git, Linux, Azure Devops, Rally, Gitlab, Jenkins, Charting, Figma, AppViewX Certificates
- **Web Development:** ES6, React, Redux, Next.js, Expressjs, MongoDB, Elastic Search, Redis, Socket.io, .Net Framework/Core, SQL Server, MVC, jQuery, Vue.js, Rest APIs, Jest, TestCafe, RTL, Web Components, Webpack, ESLint, SonarQube

EDUCATION

- **Veer Surendra Sai University of Technology** Burla
B.Tech (Computer Science), CGPA - 9.3 *Aug. 2013 June 2017*
- **Vikas Vidyaniketan** Visakhapatnam
12th (CBSE), Percentage - 93.6 *Aug. 2011 July. 2013*
- **Navjyoti Vidyalaya** Khariar Road
10th (ICSE), Percentage - 89 *2011*

WORK EXPERIENCE

- **S&P Global:** Sept 2022 - Current
- **Nagarro:** Aug 2021 - Sept 2022
- **Mindfire Solutions:** June 2017 - July 2021

PROJECTS

- **Oppenheimer**
React, Redux, JS, TS, Webpack, Nodejs, .Net, Jest, TestCafe, ChartistJs, RTL, Jenkins
 - **About:** A leading global full-service brokerage and investment bank that provides clients with the financial expertise and insight to help achieve their goals.
 - **Roles and Responsibilities:**
 - Developed and maintained core UI library components, driving the creation of key financial modules such as Watchlist, Portfolio, Equity Snapshot, Option Chain, Company News, and Symbol Search.
 - Set up web components in the project, implementing custom hooks and utilizing Shadow DOM for encapsulation and performance optimization.
 - Directed the end-to-end development of the "News for You" component, significantly boosting client engagement.
 - Developed and integrated a DAG Task script in the ETL tool to automate daily exports of portfolio and watchlist data for all client app users. Enabled seamless scheduling and improved data availability for analysis.
 - Led the development of multiple features, ensuring adherence to industry best practices, implementing bug fixes, managing CI/CD pipelines, coordinating releases, and resolving production issues efficiently.
 - Actively contributed to agile discussions, providing insights on project scope, priorities, and delivering high-quality unit and automated tests to ensure code stability.
 - Successfully mentored new team members, providing them with clear guidance and support for seamless integration into the team. Ensured quality through detailed pull request reviews, promoting best practices.

- Organized and conducted knowledge-sharing sessions, fostering continuous learning and skill development within the team.

• **NetXWealth**

React, Nodejs, Jest, TestCafe, ChartistJs, RTL, Webpack, Lighthouse, Webpack, .Net

- **About:** Global Financial Solutions which provides execution and clearing services to HSBC Wealth Track customers and is the provider of HSBC Securities (USA) Inc .'s website.
- **Roles and Responsibilities:**
- Developed and delivered several React responsive components as F2 apps for displaying FinTech data using charts and graphs based on company's symbol
- Responsible for development, bug fixes, CI/CD, release, production issues, agile discussions
- Successfully led the upgrade of the Node.js version from 16 to 18 across the codebase, including Webpack and React upgrade, enabled source map for faster scss debugging.

• **Muvit**

MERN, Redux, Nextjs, Elastic Search, Redis, AWS Services, Flow, Socket.io, Docker, GraphQL *Oct'21 - Aug'22*

- **About:** Muvit is an open Manheim auction marketplace in Canada to sell cars from inventory to dealers via live bidding and sales events
- **Roles and Responsibilities:**
- Performed ES metric and GeoDistance aggregation to get ranges based result for filters
- Designed welcome wizard for new signup user
- Optimized queries to save search queries to MongoDB
- Rebranding UI designing
- UI, Script and backend work for Newly added vehicle feature
- Sales Strategy and CRON job for scheduling live event for bidding

• **MoveX**

ReactJS + Redux + TypeScript, Knockout, MVC, SQL Server, .Net Core, Moq and NUnit *May'19- Oct'21*

- **About:** MoveX is a UK application used by dealers to connect them with transport providers(suppliers) through a logistic marketplace where dealer places a job and suppliers quotes for it. Dealers can track their job with real-time ETAs during transport and view proofs of collection and delivery
- **Roles and Responsibilities:**
- Migrated Admin portal from Knockout to ReactJs single-handedly starting with architecture planning, story/task planning for sprint, Azure pipeline setup and progressing the portal with a cleaner and well-structured code
- Used Typescript, MUIGrid, Formik, React-Query, React Hooks, React Routing, Redux with Thunk middleware, Styled components, JWT Authentication, Single Sign-on etc
- Used Fetchify and Googles Geocode apis for postcode lookup and distance matrix calculation
- Added several backend API Endpoints in .Net Core and integrated them with screens using React-Query with proper responses and redirection

• **Metal Products and Pricing Management System**

jQuery, SSRS, EF, C#.Net, DNN, KendoUI, Linq to SQL *June' 17 - Mar'19*

- **About:** Application used by HVAC Industries, involving processing of order(s) by configuring items (products) in a project, pricing calculation including discount, quick ship charges and additional charges, order review, approval etc
- **Roles and Responsibilities:**
- Designed and developed Special Authorization and Concession functionality
- Implemented Notification feature which keeps track of various activities of different users throughout the site

- Managed Authorization of Pages and Accessibility to different functionalities depending upon User roles/ Usergroups
- Implemented dynamic Report generation using SSRS tool
- Designed various Maintenance Pages using kendoGrid, kendoTreeView, kendoTabstrip and other kendoUI controls
- Implemented Project Summary and Project History sections
- Implemented Newsfeed feature where user can view all latest articles/blogs of the site depending on his role