

Manat Singh Brar

Frontend Engineer (SDE 2) | React, TypeScript, Web Performance

Bangalore, India | manatsinghbrar@gmail.com | in.linkedin.com/in/manat-singh-brar

PROFESSIONAL SUMMARY

Frontend engineer with 3+ years of experience building scalable, data-heavy enterprise security dashboards in React and TypeScript. Top contributor to Privafy's customer dashboard over the last 12 months, with 2,300+ commits since 2022 and 950+ Jira tickets delivered. Cut the main JavaScript bundle by 96% (10.4 MB to 390 KB), built real-time streaming UIs with Server-Sent Events, and shipped 100+ production hotfixes for enterprise customers.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS

Frontend: React 19, React Hooks, Redux Toolkit, React Router, i18next, Component Libraries, Design Systems, ECharts, Recharts, xterm.js, react-virtualized

Performance and Build: Performance Optimization, Webpack 5, Rspack, esbuild, SWC, Babel, Code Splitting, Lazy Loading, Tree Shaking, Brotli/Gzip Compression, Browser Caching, Bundle Analysis, Core Web Vitals

APIs and Browser: REST APIs, Axios Interceptors, Server-Sent Events (SSE), IndexedDB, Web Storage, Two-Factor Authentication (TOTP), Role-Based Access Control (RBAC)

Tools and Practices: Git, Bitbucket, Jira, CI/CD, Chrome DevTools, SonarQube, Mirage JS, Figma, Claude Code (AI-assisted development), Agile/Scrum, Code Review

Fundamentals: Data Structures and Algorithms, OOP, Design Patterns, Frontend System Design

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Frontend)

Aug 2026 - Present

Privafy, cybersecurity SaaS platform for enterprises and telecom carriers

Bangalore, India

- **Technical leadership:** Lead frontend delivery, scoping work with backend, product and QA. Mentor junior engineers through code reviews and knowledge-transfer sessions.
- **AI-assisted development:** Built 5 Claude Code workflows that automate pull request creation, translating new UI text into every supported language, and mocking APIs so UI work can start before the backend is ready. Teammates now extend them.
- **New product edition:** Building sign-in, first-run admin setup and password policy screens for an on-premise, offline edition of the product. Leading SonarQube code-quality fixes.

Software Engineer (Frontend)

Aug 2023 - Jul 2026

Privafy

Bangalore, India

- **Web performance:** Cut the main JavaScript bundle by 96% (10.4 MB uncompressed to 390 KB with Brotli) using Webpack code splitting, lazy loading, tree shaking and compression. Initial portal load dropped from 3+ minutes to about 2 seconds, and stable content hashes made browser caching work across releases.
- **Build modernization:** Replaced Babel and ts-loader with esbuild-loader, and moved a second app off Create React App to a custom Webpack config with Gzip/Brotli compression. Total JavaScript shipped fell 55% (39.4 MB to 17.6 MB). Owned the upgrade to React 19, Axios 1 and Node 20.
- **Real-time streaming:** Took a Server-Sent Events proof of concept to production as a reusable *useSSE* React hook. It streams millions of security records, with IndexedDB persistence and client-side pagination keeping the UI responsive.
- **Reusable components:** Main author (64% of the code) of the shared data table used by 66 screens. Features include server-side pagination and filtering, saved views, column reorder, pin and hide, and CSV export. Four other engineers have adopted it. Used memoization to stop the whole table re-rendering on row selection.
- **Feature ownership:** As part of a cross-functional team, led the frontend for the product's threat investigation module. Built interactive process-tree visualizations, alert triage screens and a visual query builder that lets analysts search large datasets without writing code. Wrote 37% of the module's 64K lines.
- **Security and reliability:** Built two-factor authentication (TOTP), role-based access control (RBAC) for navigation, and session handling for concurrent logins in Axios interceptors. Closed a file-upload validation bypass.
- **Production support:** Delivered 950+ Jira tickets, 200 of them High or Critical priority, including 100+ hotfixes shipped directly to enterprise customers. Turned feedback from a Gartner analyst demo into shipped product changes.

Software Engineer Intern (Frontend)

Jun 2022 - Jul 2023

Privafy

Bangalore, India

- Built network device diagnostics (packet capture, ping and speed tests), a GDPR data-privacy portal, and multi-tenant admin portals for telecom carriers and partners in React. Also built threat detection rule editors and file reputation lookups, and added column ordering and show/hide to the shared data table.

EDUCATION

Bachelor of Engineering in Computer Science, CGPA 9.98/10

Chitkara University

2019 - 2023

Chandigarh, India

ACHIEVEMENTS

- **SPOT Award (2x):** Recognized twice for revamping the enterprise UI and its frontend performance.
- **International client engagement:** Represented engineering in Riyadh, leading technical talks with enterprise clients.