

Udit Sen

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript(ES6+), HTML/CSS, Sass/Scss

Frontend: React, Vue (2/3), Next.js, Redux/Context API, Vuex, TanStack Query, D3.js, React Hook Form

Architecture and Tooling: Micro-Frontends, Design Systems, Vite, Webpack, Tailwind CSS, Storybook, Git, Docker

Testing and Backend: Vitest, Jest, React Testing Library, Node.js, REST APIs, SSE and WebSockets

EXPERIENCE

Senior UI Engineer

October 2024 – Present

EclecticIQ

Netherlands - Remote

- Spearheaded core platform modernization by migrating 15+ legacy class-based codebases to **React and TypeScript** and expanding the **centralized design system** with layout primitives, eliminating technical debt and accelerating UI feature delivery by ~25%.
- Architected an extensible, **schema-driven data mapping engine** using custom config-generated forms, enabling users to dynamically ingest 10k+ rows of **CSV telemetry** and automating 100% of manual attribute mapping.
- Collaborated on the platform's real-time AI Assistant, integrating **Server-Sent Events (SSE)** for token streaming, resilient message state recovery, and **custom UI renderers** for interactive threat actions, dynamic schemas, and sandboxed execution reports.
- Led automated UI refactoring and reliability initiatives by deploying AI tooling to migrate hardcoded components to a dynamic terminology engine and bootstrap **Vitest/React Testing Library** suites, standardizing 50+ use cases and boosting test coverage by ~15%
- **Directed repository-wide dependency and security governance**, conducting routine audits and leading team-wide upgrades to resolve 50+ critical vulnerabilities and eliminate deprecated package debt.

Software Development Engineer 2

July 2023 – February 2024

Shipbob

Delhi, India – Remote

- Developed and maintained core shared utilities and component libraries across **15+ Micro-Frontends (MFEs)**, expanding the enterprise design system with complex modals, form controls, and virtualized tables.
- Built an internal **Node.js CLI tool** to scaffold new MFEs and standardize build, test, and run scripts, significantly reducing developer onboarding and release cycle times.
- Heavily optimized internal libraries and shared dependencies across micro-apps to streamline runtime performance and **reduce local and CI/CD build times**.

Software Development Engineer UI

August 2021 – June 2023

CommerceIQ

Bangalore, India

- Engineered **10+ high-traffic, self-serve data visualization dashboards** using **React and D3.js**, enabling enterprise clients to build customizable charting workflows and telemetry reports.
- Built **full-stack data ingestion and file-management pipelines** using React and Node.js, delivering an Excel verification engine and a centralized download center backed by AWS RDS.
- Mentored junior frontend developers and interns on modern JavaScript/React paradigms, **component architecture**, and automated testing standards.

Software Engineer

May 2020 – July 2021

Cyware Labs

Bangalore, India

- Engineered frontend features across multiple enterprise cybersecurity products, collaborating with product teams to translate complex security workflows into responsive web interfaces.
- Built foundational reusable UI components and data tables for the company's **centralized UI style guide and design system**, driving cross-product consistency.

PROJECTS

Hover Games | *React.js, Flask with Python, MongoDB, TensorFlow.js*

hover.vercel.app

- Built an interactive web-based gaming application utilizing client-side **hand gesture recognition via TensorFlow.js**, enabling real-time, touchless gameplay in the browser.
- Engineered responsive React front-end components and integrated lightweight Flask REST endpoints for asynchronous game state tracking and leaderboard management.

EDUCATION

Acropolis Institute of Technology and Research

Indore, India

Bachelor of Engineering, Computer Science

2016 – 2020

Community Leadership – Organizer, Google Developer Groups Indore

2018 – Present

Hosted tech meetups and hackathons in collaboration with industry experts and Google Developer Experts.