Shiv Baran Singh

Principal Frontend Developer | React & Vue Specialist | Micro-Frontend Architect
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Portfolio | **LinkedIn** | **GitHub** | **LeetCode**

SUMMARY

Frontend technologist with **9 years** of experience in **React**, **Vue**, and **Next.js**, specializing in **micro-frontend architecture**, **design systems**, and **performance-driven UIs**. Focused on building scalable, maintainable, and AI-enhanced user experiences that bridge innovation with usability.

SKILLS

Key Strengths: Micro-Frontends (Module Federation, Single-SPA) | TDD | System Design (HLD & LLD)
Frontend: JavaScript (ES6+), TypeScript, **React.js** (Hooks, Context, Performance Optimization), **Next.js** (SSR), **Vue 3** (Composition API), Redux, Vuex, Pinia, HTML, CSS, Sass, TailwindCSS, Design Systems, D3.js, Highcharts, Vite, Webpack, Rollup, Jest, Cypress, NPM, Lazy Loading, Code Splitting, Tree-Shaking, Plugin Development
Backend & Tools: Node.js, Python, WebSockets, Firebase, AWS, Docker, Jenkins, Nginx, Vercel, CI/CD, Git, JIRA

EXPERIENCE

Cyware Labs India, Bengaluru - *Principal Software Developer | May 2018 – Present*

- **Micro-Frontend Architecture (React/Vue):** Spearheaded the transformation of flagship products (**Collaborate** and **Intel Exchange**) by adopting a micro-frontend architecture, using **React.js (Module Federation)** and **Vue 3**, which improved scalability and reduced load times by **20%**.
- **Design System & Component Library (React/Vue):** Designed and implemented a unified **React.js + Vue 3** design system with Storybook integration, eliminating 30% of third-party dependencies and standardizing UI development across 7+ product teams.
- **Tooling & Performance (Vite/Webpack):** Overhauled build tooling by introducing **Vite** (for Vue/React HMR) and optimizing **Webpack** configurations for **Next.js**, reducing deployment times by **40%**.
- **Security & Plugins (Vue 3/React):** Developed authentication solutions using **Vue 3 plugins** (JWT, OAuth) and **React custom hooks**, alongside customizing **React-Quill** and **Vue-Froala** rich-text editors.
- **Leadership & Mentorship:** Mentored **10+ developers** on micro-frontend patterns in **React/Vue** and advanced **Next.js** techniques, accelerating team productivity by **25%**.

Neuron, New Delhi - *Full Stack Developer | May 2016 – April 2018*

- **AI Chatbot Platform (Surbo):** Designed and implemented a responsive **React.js** interface for an AI-powered chatbot, enhancing user engagement by **35%**.
- **Analytics Dashboard:** Built an interactive dashboard using **React.js** and **Highcharts**, enabling seamless real-time KPI tracking through optimized data rendering and component performance.
- **Real-Time Scheduler:** Developed a real-time scheduling UI in **Next.js** with **Socket.io** integration, improving scheduling visibility and reducing user conflicts by **50%.**

EDUCATION

B.Tech (Information Technology) - JSSATE, Noida | 2012–2016 | **GPA: 7.52/10**

ACHIEVEMENTS AND LEADERSHIP

Open Source: Published **6+ npm packages**, including Generative AI applications and developer tools.
Google Summer of Code Mentor (CloudCV): Mentored student contributions to **EvalAI** (Open Source).
Competitive Coder: Top 10% **LeetCode (600+ problems),** specializing in system design optimization.

Featured work: HuexLab | **Markdown Studio** | **Portfolio**