Bhavishya Sahdev

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with 4+ years of experience architecting scalable web applications and leading frontend infrastructure. Proven track record of owning complete frontend codebases, optimizing performance-critical 3D applications for resource-constrained devices, and building real-time collaborative editing systems. Expert in React ecosystem, TypeScript, and modern JavaScript frameworks with strong focus on system design, performance optimization, and technical leadership. Known for driving architectural decisions, mentoring engineering teams, and delivering high-impact features that improve user engagement and business metrics. Experienced working with distributed teams across time zones, available for flexible hours to accommodate US/EU collaboration.

WORK EXPERIENCE

Senior Full-Stack Engineer   Jan 2025 — Present
Wokelo AI   *Bengaluru, IN (Remote)*

- **Frontend Infrastructure Ownership**: Architected complete frontend infrastructure from ground up, establishing tech stack (React, TypeScript, Next.js), design patterns (atomic design system), and data flow architecture using React Context and state management best practices

- **Technical Leadership & Mentorship**: Led team of 3 frontend engineers, providing technical guidance, code reviews, and establishing development workflows that reduced release delays by 40% and improved sprint velocity through streamlined collaboration with design and QA teams

- **Complex Feature Development**: Architected and delivered sophisticated drag-and-drop interfaces and React Flow-based node visualization systems, representing the most technically challenging features requiring deep understanding of event systems, state synchronization, and performance optimization

- **Performance Engineering**: Optimized application bundle size by 45% through code splitting, lazy loading, and tree shaking; implemented memoization strategies and virtual scrolling to maintain 60fps interactions even with large datasets

- **Complete UI Transformation**: Led comprehensive redesign of main dashboard application and marketing website, coordinating with design team to establish new design system that improved UI consistency and reduced feature delivery time by 50

Senior Software Engineer   Jan 2023 — Jan 2024
Indieverse Studio   *Bengaluru, KA*

- **Full-Stack Architecture Leadership**: Owned both frontend and backend infrastructure decisions for flagship 3D multiplayer shopping platform, selecting tech stack (React, Three.js, Node.js), defining API contracts, and establishing CI/CD pipeline architecture

- **3D Performance Optimization**: Built custom React Three Fiber physics engine optimized for budget Android devices, achieving consistent 30fps performance through aggressive LOD (Level of Detail) implementation, memory-efficient 3D model selection (¡5MB total assets), and screen-space rendering optimizations

- **Technical Problem Solving**: Solved critical performance constraints including reducing initial load time from 45s to 15s on 4G connections and implementing progressive asset loading to prevent frame drops on devices with ¡2GB RAM

- **DevOps & Deployment Excellence**: Established comprehensive CI/CD pipeline using GitHub Actions and AWS (S3, CloudFront, EC2), reducing deployment time from 2 hours to 10 minutes and eliminating production deployment errors through automated testing and staging environments

Product Engineer   Apr 2022 — Oct 2022
Antler   *Bengaluru, KA (Remote)*

- **Scalable Component Architecture**: Designed and built comprehensive component library using React and Storybook with 50+ reusable components, improving development velocity by 3x and ensuring design consistency across 12+ product surfaces

- **High-Impact Conversion Optimization**: Engineered complete application onboarding funnel using TypeScript and Next.js with comprehensive Cypress E2E test coverage, contributing to 100K+ application submissions and 23% conversion rate improvement through iterative A/B testing

- **Data-Driven Development**: Collaborated closely with product and design teams in agile sprints, implementing user research findings and A/B test results to drive feature decisions, demonstrating ability to balance technical excellence with user-centered design

- **Code Quality Standards**: Established TypeScript coding standards and ESLint configurations that reduced runtime errors by 40% and improved developer onboarding experience

Frontend Developer Feb 2021 — Apr 2022
Suraasa *Gurugram, HR (Remote)*

- **Large-Scale Application Modernization**: Led modernization of Learning Management System serving 250,000+ educators using React and Material-UI, implementing performance optimizations that improved platform load times by 55% and increased user satisfaction scores by 45%

- **Reusable Component System**: Introduced comprehensive UI component library with 60+ components, accelerating delivery cycles by 70% and reducing design debt across 8 product modules through consistent design language

- **Testing & Quality Assurance**: Implemented comprehensive testing strategy combining Jest unit tests (80% coverage) and integration testing, achieving 90% reduction in production bugs and establishing quality-first development culture

- **Performance Monitoring**: Established frontend performance monitoring using Lighthouse CI and custom metrics, identifying and resolving critical rendering bottlenecks that improved Time to Interactive by 3.2s

SKILLS

- **Frontend Development:** React.js, Next.js, React Native, Remix, Three.js, React Three Fiber, Redux, Zustand, Storybook

- **UI/UX:** Design Systems, Atomic Design, Responsive Design, Accessibility (WCAG), Material-UI, Tailwind CSS

- **Testing & Quality:** Cypress (E2E), Jest (unit/integration), Playwright, Lighthouse (performance & accessibility audits)

- **State & Data:** GraphQL, RESTful APIs, WebSockets, Client-side Caching

- **Programming Languages:** TypeScript, JavaScript (ES6+), HTML5, CSS3, Python (secondary)

- **Tooling & Workflow:** CI/CD (GitHub Actions, Vercel, Netlify), Agile/Scrum, Component-Driven Development, A/B Testing, Analytics Integration

- **Backend & Cloud (Supporting):** Node.js, FastAPI, Django, PostgreSQL, AWS, GCP, n8n

PROJECTS

Subtract — AI-Powered Expense Tracker

- **Intelligent Email Integration**: Built automated expense tracking system that syncs directly with Gmail using Google Cloud APIs, parsing transaction emails and categorizing expenses using Gemini AI with 92% accuracy

- **Smart Data Extraction**: Implemented custom email parsing logic that extracts merchant names, amounts, dates, and categories from unstructured email content, reducing manual entry time by 95%

- **Full-Stack Development**: Designed complete system architecture including PostgreSQL database schema, RESTful API endpoints, and responsive React frontend with real-time expense visualization

EDUCATION

Bachelors (BCA), Guru Gobind Singh Institute of Professional Studies Aug 2018 — May 2021

ACHIEVEMENTS

- **Open source contributions**
  - https://github.com/DefinitelyTyped/DefinitelyTyped/pull/64555
  - https://github.com/pmndrs/drei/pull/1766
  - https://github.com/yoannmoinet/nipplejs/pull/208