BADAL SHERPA

Lead Software Engineer | React.js, Next.js, TypeScript, JavaScript, Node.js
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PROFESSIONAL SUMMARY

Lead Software Engineer with 6+ years building React, Next.js and Node.js products for enterprise insurance (HUB International) and fintech (Paytm). Promoted from Senior to Lead at Virtusa in Jan 2026; led a team of 3 engineers through code reviews, sprint planning and delivery. Led the migration of a legacy Angular app to React and built Next.js / headless Sitecore SXA experiences used by 2,000+ clients across Canada. Strong in TypeScript, Next.js rendering (SSR, SSG, ISR, React Server Components, streaming), component libraries, Core Web Vitals, SEO, accessibility and testing (Jest, RTL); builds Node.js/Express BFF layers over REST and GraphQL APIs, and uses agentic AI coding tools in daily delivery.

CORE COMPETENCIES

Architecture: SPA/SSR architecture, Next.js App Router (SSR, SSG, ISR, React Server Components, streaming), BFF layers, component design systems, frontend system design, headless CMS-driven UI

Performance & Quality: Core Web Vitals, SEO, code-splitting, lazy loading, debouncing/throttling, WCAG accessibility, unit testing, code quality gates

State & Data: Redux Toolkit, Zustand, Context API, REST APIs (Axios interceptors), GraphQL

Leadership: Agile/Scrum, code reviews, technical mentorship, sprint ownership, technical debt management, cross-functional collaboration with QA and backend

TECHNICAL SKILLS

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

Frameworks & Libraries: React.js, Next.js, React Native, Redux Toolkit, Node.js, Express.js

UI: Tailwind CSS, Material UI, Chakra UI, Ant Design, Bootstrap

Backend & Data: Node.js/Express BFF layers, REST APIs, GraphQL, PostgreSQL (Prisma), MongoDB

Headless CMS: Sitecore SXA (headless / component-based)

Testing, Tools & DevOps: Jest, React Testing Library, SonarQube, Git (GitHub/Bitbucket), Jenkins CI/CD, AWS S3/Amplify hosting, JIRA, Postman, Figma

AI-Assisted Engineering: GitHub Copilot, Cursor, Claude Code (agentic coding), ChatGPT

PROFESSIONAL EXPERIENCE

Lead Software Engineer | Virtusa **Jul 2022 – Oct 2026**

Lead Software Engineer (Jan 2026 – Oct 2026) · Senior Software Engineer (Jul 2022 – Dec 2025) · Client: HUB International

- Led delivery for hubinternational.com and 3 subsidiary portals serving 10K+ monthly visitors; owned sprint goals for a team of 3 engineers, working alongside QA and backend developers.
- Led the migration of HUB's legacy Angular signature web app to React, cutting page load time by 80% and reducing build time.
- Built the complete live frontend for Western Growers, turning complex designs into 10 reusable headless Sitecore SXA + React components.
- Raised Lighthouse performance scores from 79 to 95+ through code-splitting, lazy loading and removing redundant API calls, improving Core Web Vitals and SEO.
- Built a reusable component set with consistent loading, error and validation states, reused across 5 modules and covered by Jest + React Testing Library (80%+ coverage).
- Mentored 3 junior developers through code reviews and pairing; defined API contracts with backend teams for reliable data hydration.

- Introduced AI coding tools (Copilot, Cursor, Claude Code agentic workflows) into the team to speed up component delivery and reduce boilerplate.
- Owned features end to end, from development and testing through deployment and post-release support.

Software Engineer – Frontend | Techlious Network (Remote, alongside B.Tech) **Jan 2020 – Jun 2022**

Client: Paytm (Sep 2021 – Jun 2022)

- Core contributor to the Onboarding Engine, a multi-vertical dashboard (Insurance, Finance, Learning, E-commerce) for configuring onboarding workflows.
- Delivered B2B and agent onboarding flows used by 3,000+ Key Asset Managers and Quality Control agents.
- Centralised API error handling and loading states; integrated secure REST APIs via Axios and passed SonarQube gates before Jenkins CI/CD deployments.
- Led technical discussions and peer code reviews; owned end-to-end feature delivery.

Client: Invictus Survival Science (Dec 2020 – Aug 2021)

- Built a logistics web dashboard and a React Native driver app tracking delivery fleets for clients including Flipkart, Amazon and Coca-Cola; integrated Google Maps live tracking.
- Built a JSON-driven form builder letting enterprise clients generate custom inspection reports (Redux, Chakra UI).

Internal Product: Tattoo Management CRM

- Built a CRM with booking calendars, client tracking and live revenue dashboards using React.js, TypeScript and Ant Design.

PROJECTS

Yatri Adventure – Travel Agency Platform (Freelance client project, sole developer) yatriadventure.in

Next.js (App Router), React Server Components, TypeScript, Node.js, PostgreSQL (Neon), Prisma ORM, Tailwind CSS

- Delivered the whole project single-handedly for the client, from requirements to deployment: Prisma/PostgreSQL schema for dynamic travel packages, SEO-friendly slug pages and an admin dashboard.
- Used SSR, SSG and ISR with React Server Components and streaming to serve fast, crawlable package pages that refresh on a schedule or on demand.
- Built REST endpoints as a BFF layer between the frontend and backend services.

ACHIEVEMENTS & CERTIFICATIONS

- Promoted from Senior to Lead Software Engineer at Virtusa (Jan 2026) for technical leadership, code-review quality and mentoring.
- Stack Overflow contributor: React and frontend answers reaching 396K+ developers.
- Data Structures and Algorithms – GeeksforGeeks · The Complete Web Development Bootcamp – Udemy

EDUCATION

B.Tech, Computer Science & Engineering | Lovely Professional University, Punjab **2018 – 2022 | CGPA 8.22/10**