

SHIVAJI TIWARI

(Immediate Joiners)

Technical Architect | Full-Stack Engineering Lead | React, Next.js, Node.js, Nest.js | Microservices | CI/CD
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PROFESSIONAL SUMMARY

Senior Full-Stack Engineering Lead with 14+ years of experience delivering scalable enterprise web platforms across modern JavaScript ecosystems. Specialized in **React 18, Node.js (SSR/SSG, routing, optimized data fetching), TypeScript (ES6+), Node.js, GraphQL**, and **PHP/Laravel**, designing end-to-end solutions spanning frontend architecture, backend APIs, and CI/CD automation.

Proven track record of leading cross-functional teams, architecting microservices-driven systems serving 10,000+ users, and driving measurable performance improvements (**Lighthouse 65→95**, 30% speed gains, 60% operational efficiency increase).

Strong expertise in **REST & GraphQL APIs**, secure authentication (**JWT, RBAC**), scalable SCSS/CSS architecture, performance optimization, unit testing (**Jest, React Testing Library**), cloud optimization, and payment integrations within agile delivery environments.

CORE TECHNICAL SKILLS

Languages & Frameworks: JavaScript (ES6+), TypeScript (Advanced Types, Generics), PHP 8+, React 18 (Hooks, Context, Performance Optimization), Next.js 14 (SSR, SSG, ISR, API Routes, Dynamic Routing), Node.js, Laravel, HTML5, CSS3, SCSS (Modular Architecture, Responsive Design)

Frontend Expertise: Component-Based Architecture, Reusable UI Libraries, Code Splitting, Lazy Loading, Bundle Optimization, Lighthouse Performance Optimization (65→95), Cross-Browser Compatibility, Accessibility (a11y), Figma (UI Collaboration, Design Handoff, Prototyping)

Backend & APIs: Express.js, RESTful API Design & Integration, GraphQL, Microservices Architecture, JWT/RBAC Authentication, API Security, Payment Integration (PayPal, Stripe), WebSocket Integration

Testing & Quality: Jest, React Testing Library, Unit Testing, Component Testing, Agile TDD Practices¹

Database & Cloud: MySQL 8.x, MongoDB, AWS S3, Cloudflare R2, Microsoft Azure (App Services, Storage, Functions, DevOps), Database Optimization, CDN Configuration, Cloud Storage & Media Optimization, Data Structure (DS),

DevOps & Tools: Docker, Jenkins, CI/CD Pipelines, Git (GitFlow, Code Reviews), Agile/Scrum, Jira, Webpack, Performance Monitoring

CMS & Platforms: WordPress (Custom Themes/Plugins), Magento 2 (Custom Modules), Webflow CMS, Contentful Headless CMS, Retool (Internal Tools & Workflow Automation)

PROFESSIONAL EXPERIENCE

Senior Full-Stack Consultant (Contract) | USA-Based Client | Remote

KUKALAYA LLC (USA) | Remote Contract | Oct 2024 – Jan 2026

- Owned end-to-end architecture and delivery of a scalable full-stack platform (Webflow CMS + Node.js/ Nest.js + React/Next.js frontend) serving 10,000+ monthly users and managing 5,000+ content records with optimized routing and performance-focused UI rendering
- Collaborated with designers using **Figma for UI/UX design handoff, prototyping, and component-level implementation**, ensuring pixel-perfect responsive UI and reusable component architecture
- Designed secure authentication and authorization layer using JWT/RBAC and implemented scalable GraphQL APIs, integrating them seamlessly with frontend data-fetching strategies (SSR/SSG) and automated admin workflows
- Engineered complete e-commerce checkout system with PayPal integration, dynamic shipping logic, RESTful API integration, and automated order lifecycle management with responsive, modular UI components
- Improved platform performance by 30% (Lighthouse 65→95) through code splitting, lazy loading, optimized asset delivery, and reduced media load time by 40% using Cloudflare R2 CDN optimization
- Architected secure visa-processing platform handling 1,000+ applications/month with encrypted document management, robust API security, and Contentful CMS integration ensuring scalable content delivery
- Worked directly with USA stakeholders, owning **architecture decisions, cloud deployment (AWS / Azure), performance tuning, and production releases** in remote agile environment

Application Developer (Client Delivery)

IBM | Noida, India | December 2022 – October 2024

- Developed enterprise **React 18 + TypeScript chatbot platform** using **IBM Carbon Design System and Figma-based UI specifications**, serving **500+ internal users** with modular component architecture
- Built reusable, scalable component library with strict TypeScript typing, improving development efficiency by 35%, integrating secure REST APIs and WebSocket real-time functionality with performance-optimized rendering
- Implemented unit and component tests using Jest and React Testing Library to ensure code quality and maintainability across releases
- Maintained 98% on-time delivery across 12+ agile sprints, collaborating closely with product managers and backend teams while mentoring 2 junior developers and conducting code reviews via Git workflows
- Used **Git, CI/CD, Azure DevOps, Jira, and Agile/Scrum workflows** for enterprise delivery process

Associate Consultant

Tata Consultancy Services (TCS) | Noida, India | April 2022 – October 2022

- Led client onboarding for 8+ enterprise clients, translating business requirements into technical specifications and implementation roadmaps
- Reduced project setup time by 20% through agile process improvements and standardized workflow templates

Senior Software Engineer / Team Lead

Virtual Employee Pvt Ltd | Noida, India | September 2015 – April 2022

- Led agile team of 5 developers delivering 15+ web applications using PHP/Laravel, React, and Node.js/ Nest.js with microservices architecture
- Developed 20+ WordPress themes/plugins and Magento 2 modules with payment gateway integrations serving clients with \$2M+ annual revenue
- Established CI/CD pipelines using Jenkins and Docker, reducing deployment time by 50% and eliminating manual errors
- Mentored 8 junior developers on code quality, design patterns, and Scrum practices

Senior Software Engineer | Flexin Technology | May 2014 – March 2015

- Designed technical architecture for greenfield web application with modular frontend components, RESTful APIs, and security implementation

Software Developer | ADI Backoffice | June 2011 – May 2014

- Developed web applications with PHP/MySQL and REST APIs, optimizing database queries to reduce page load times by 35%

KEY ACHIEVEMENTS

- Delivered 50+ projects using Agile/Scrum with 98% on-time delivery rate across multiple clients and industries
- Improved platform performance by 30% through code optimization, achieving Google Lighthouse score increase from 65 to 95
- Reduced operational overhead by 60% through backend automation systems and workflow optimization
- Led teams of 5-8 developers, mentoring juniors and establishing CI/CD pipelines reducing deployment time by 50%

EDUCATION

Master of Computer Applications (MCA) | Uttar Pradesh Technical University | 2005 – 2008 | 65.66%

Bachelor of Computer Applications (BCA) | Sikkim Manipal University | 2000 – 2005 | 63.41%