

SHIVAM VISHWAKARMA

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SUMMARY

Software engineer building full-stack web applications with React, TypeScript, Next.js, Node.js, and Golang. Shipped production systems using PostgreSQL, RabbitMQ, Redis, and AWS infrastructure—from database design and API development to frontend implementation and deployment. Active open-source contributor focused on distributed systems and developer tools.

SKILLS

Frontend: React, TypeScript, Next.js, Redux (Toolkit), JavaScript (ES6+), HTML5, CSS3 (Flexbox, Grid)

Backend: REST APIs, API design, NodeJS, NestJS, Golang

Performance & Monitoring: Core Web Vitals, Elasticsearch

Cloud & DevOps: AWS, Docker

Testing & Tools: Jest, React Testing Library, Cypress, Git, CI/CD pipelines

Design Focus: Accessibility (WCAG), Responsive Design, Performance Optimization, Web security, Design patterns

Soft Skills: clear communication, cross-team collaboration, ownership mindset

EXPERIENCE

Full Stack Developer – Advayu

Sep 2024 – Oct 2025

- Served as one of two founding engineers, owning frontend architecture and building the complete user-facing platform from scratch using Next.js, TypeScript, and REST APIs.
- Built 20+ production-ready UI components and 5 core user workflows (authentication, onboarding, dashboard, coupon creation, brand management) integrated with NestJS backend.
- Redesigned the brand onboarding flow with improved form validation, multi-step state management, and automated data processing, reducing manual setup steps from 10 to 2.
- Collaborated directly with designer and backend engineer to define API contracts, data models, and UI requirements, shipping MVP in 3 months against a 5-month target.
- Established frontend development practices including TypeScript patterns, component structure, and deployment workflows using AWS Lambda and Docker.

Open Source Contributor – Monkeys

Nov 2025 – Present

- Built an Editor.js code block plugin that improved syntax presentation and enhanced the blog reading experience for end users.
- Developed an end-to-end blog scheduling system with Next.js frontend and Golang backend, featuring timezone support, RabbitMQ DLQs, and automated retry mechanisms for reliable publishing.
- Containerized a Next.js application using Docker and implemented GitHub Actions CI pipelines to automatically build and publish images to GHCR for pull requests.
- Designed and implemented a frontend activity tracking pipeline, logging user interactions to Elasticsearch to support debugging, observability, and data-driven feature decisions.
- Led online knowledge-sharing sessions for community members, covering system design fundamentals and real-world engineering tradeoffs

Project – Real-Time Trading Platform (Groww-inspired)

Oct 2025

- Designed and built a real-time trading platform with React + TypeScript (Vite), handling live market data updates and high-frequency UI state changes.
- Implemented streaming-based stock price updates with caching and rate-limiting using Redis to reduce backend load and ensure responsive UI performance.
- Optimized front-end rendering and data-fetching flows to maintain smooth user interactions under frequent data updates.
- Built API-driven UI workflows using Express and MongoDB, focusing on predictable data flow, error handling, and performance.

EDUCATION

B.Sc. Information Technology | Patliputra University, Patna

Jun 2021 – Aug 2024