

SHIVAM GOYAL

Senior Software Engineer, Fullstack

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SUMMARY

Senior Software Engineer with 5.5+ years building scalable, full-stack SaaS applications in React, TypeScript, and Node.js, with deep expertise in Micro Frontend architecture and independently deployable React microapps. Experienced designing distributed backend systems (Redis, Cassandra, PostgreSQL, SQL) and REST/GraphQL APIs serving high-volume production traffic. Builds diagnostic dashboards and telemetry-driven tooling that surface insight from structured and unstructured data to reduce escalations and improve reliability. Practically fluent with AI-assisted development tools (Cursor, Claude Code), applying a deliberate framework for when AI accelerates delivery versus when standard engineering rigor is required, with full ownership of code quality via automated testing and CI/CD. Track record of leading engineering teams, establishing code-review and testing standards, and delivering measurable gains in performance and reliability across Agile environments.

KEY HIGHLIGHTS

- 90% automated test coverage achieved at TCS, cutting production defects by 45%.
- Led a 5-developer team through a legacy React/Redux rewrite, improving functionality by 35%.
- Built diagnostic dashboards (Risk Sensing UI, Exabeam Search Audit) surfacing insight from structured and unstructured data to reduce escalations.

CORE SKILLS

Languages & Frameworks: TypeScript, JavaScript, Python, Node.js, React.js, Next.js, Redux, Context API, Zustand

Data & Backend: SQL, PostgreSQL, MongoDB, Redis, Cassandra, REST APIs, GraphQL, WebSockets

Architecture: Micro Frontend Architecture, React Microapps, Component Libraries, Modular Architecture, Monorepo

AI-Assisted Development: Cursor, Claude Code, AI-assisted code review, tool-selection frameworks, quality ownership

Cloud & DevOps: AWS (Lambda, ECS, CloudFront, S3, CloudWatch), Docker, Nginx, Jenkins, GitHub Actions, CI/CD

Testing & Quality: Jest, React Testing Library, Cypress, Unit & Integration Testing, TDD, Code Review, Design Documentation

Security: JWT, OAuth, RBAC, AWS Certified Solutions Architect – Associate, Certified Ethical Hacker (CEH)

PROFESSIONAL EXPERIENCE

Associate Consultant — GlobalLogic

Feb 2025 – Present

- Architected and shipped React microapps using Micro Frontend architecture, enabling independently deployable modules across a distributed frontend delivery pipeline serving multiple product teams.
- Built a Kanban-style drag-and-drop scheduling tool (React, Python, SQL, MUI5, D3) that surfaces operational meeting data to align cross-functional schedulers and reduce coordination friction.
- Adopted Cursor and Claude Code into the daily engineering workflow — using Cursor for rapid feature/UI iteration and Claude Code for multi-file refactors — accelerating delivery while maintaining full test coverage on shipped code.
- Engineered the Exabeam Search Audit Dashboard, transforming structured security audit data into actionable diagnostic views that speed up issue triage.
- Developed reusable TypeScript/React component libraries and shared UI patterns, reducing duplicated implementation and improving consistency across teams.
- Owned end-to-end REST and GraphQL API integration, including error handling and data-flow design across UI and service layers.
- Authored architecture and design documentation for microapp decomposition, giving cross-functional partner teams a shared reference for planning dependent features.

System Engineer — Tata Consultancy Services

Nov 2022 – Feb 2025

- Delivered the Risk Sensing UI Dashboard for Johnson & Johnson (React, MUI5, D3, Chart.js, Looker, SQL), surfacing risk intelligence across events, goods, and materials from large structured datasets to reduce escalations to specialist teams.
- Increased automated unit test coverage to 90% using Jest and React Testing Library, cutting production defects by 45% and establishing a quality gate later adopted as a team-wide review standard.
- Led a 5-developer team rewriting legacy code in React and Redux, improving functionality by 35% and authoring PR/code-review guidelines adopted across the team.
- Implemented Jenkins CI/CD pipelines with Nginx-based deployment configuration for automated code analysis and validation, improving code quality and maintainability by 15%.
- Optimized React component lifecycle and state management with Redux, achieving 74% faster turnaround versus prior benchmarks.
- Partnered with design to translate UX specifications into production React components, measurably increasing user satisfaction and engagement.

Software Engineer — Mantra Labs

Jan 2021 – Nov 2022

- Built the Renewal Management Portal for Care Health Insurance (Python, SQL, React, Material UI), integrating manual and auto-dialer systems into policy renewal workflows.
- Investigated production telemetry, APM metrics, and application logs to proactively identify defects, improving application reliability and reducing incident response time.
- Designed and shipped authenticated REST APIs with JWT/OAuth and role-based authorization, securing access across a hierarchical permissions structure.
- Integrated multiple third-party APIs (WhatsApp, Payment Gateway, Dialer), unifying customer touchpoints into a single operational dashboard.
- Automated lead-archiving via CRON-based scheduling, eliminating manual data-management overhead.
- Developed AMP pages to improve load performance on low-bandwidth connections, extending product reach.

Python Developer, Intern — Cetpa

Mar 2019 – May 2019

- Gained hands-on experience implementing and evaluating ML models.
- Automated payment-reminder workflows via email, SMS, and WhatsApp integrations.

PROJECTS

- Grandmaster — Multiplayer Chess Board: Designed a polyglot-persistence backend (Redis for session/game-state caching, Cassandra for write-heavy match logs, PostgreSQL for relational user data) tied together via WebSockets for real-time multiplayer gameplay.
- CoRoute — Collaborative Trip Planning Platform: Built a full-stack platform enabling groups to co-create, sync, and navigate shared travel itineraries in real time.
- Yacht UPS — Boating Management Solution: Designed a platform for yacht management including payments, real-time notifications, and admin tooling via Socket.IO.
- Portfolio — Personal Website: Developed a responsive, SEO-optimized portfolio with animation to improve engagement and accessibility.

EDUCATION

Bachelor of Engineering (B.E.), Computer Science

Shri Ram College of Engineering & Management, Gwalior, India — 2016 – 2020

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (2020)
- Certified Ethical Hacker (CEH)
- ICSI | CNSS Certified Network Security Specialist
- GitHub Foundations