

Shivam Goyal

Senior Software Engineer, Fullstack

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Summary

Senior software engineer with 5.5+ years building full-stack, production-grade SaaS applications in React, TypeScript, and Node.js, specializing in Micro Frontend Architecture and distributed backends (Redis, Cassandra, PostgreSQL, REST/GraphQL). Practically proficient with AI-assisted coding tools (Cursor, Claude Code) balanced with strong engineering fundamentals, testing, and CI/CD. Led engineering teams and delivered measurable improvements in performance, reliability, and code quality.

Key Highlights

- Achieved 90% code coverage at TCS, reducing production defects by 45%
- Led a team of 5 developers to rewrite an existing React/Redux application resulting in 35% improvement in functionality
- Built diagnostic dashboards (Risk Sensing UI, Exabeam Search Audit) to surface insights 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, framework for tool selection, ownership of the code quality

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 Docs

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

Professional Experience

Associate Consultant

Feb 2025 – Present

GlobalLogic

- Built React micro-applications using the React Micro frontend architecture that are independently deployed and serve as part of a distributed frontend delivery chain servicing multiple product teams
- Built a React-based Kanban like scheduling tool (using Python, SQL) with drag and drop features to surface operational meeting information to support scheduling decisions across multiple product owners
- Integrated Cursor and Claude code into day-to-day development to accelerate feature development and large-scale code refactoring while ensuring test coverage for all changes
- Engineered the Exabeam Search Audit Dashboard that processes structured security audit data into diagnostic views to aid in faster issue resolution
- Built component libraries and reusable patterns in TypeScript/React to accelerate development while improving consistency across feature teams
- Took ownership of developing and designing REST/GraphQL APIs, including error handling and data-flow design
- Authored design specs and architecture documentation for the micro-frontend decomposition to enable other teams to better understand the system and plan features accordingly

System Engineer

Nov 2022 – Feb 2025

Tata Consultancy Services

- Delivered the Risk Sensing UI Dashboard for Johnson & Johnson using React, MUI5, D3, Chart.js, Looker, and SQL to surface risk information and prevent escalations for events, goods, and materials
- Improved test coverage to 90% using Jest and React Testing Library, reducing production defects by 45% and subsequently set it as a quality-gate for code reviews
- Led a team of 5 developers while rewriting legacy code in React/Redux resulting in a 35% improvement in functionality; authored the PR/code-review guidelines followed by the team
- Set-up Jenkins CI/CD with Nginx-based configuration to perform automated code analysis and validation, improving code quality and maintainability by 15%
- Improved React component lifecycle and Redux state management leading to a 74% faster turnaround compared to prior implementations
- Worked extensively with designers to implement UX specs in React to drive user satisfaction and engagement

Software Engineer

Jan 2021 – Nov 2022

Mantra Labs

- Built the Renewal Management Portal for Care Health Insurance using Python, SQL, React, and Material UI to manage both manual and auto-dialer systems involved in policy renewals
- Surfaced production telemetry data, APMs, and logs to identify and resolve defects, thus improving application reliability while shortening the defect-resolution lifecycle
- Engineered authenticated REST APIs using JWT/OAuth and role-based authorization to secure the application and control data access at various levels

- Integrated multiple third-party APIs (WhatsApp, Payment Gateway, Dialer) to build a unified dashboard for managing customer conversations
- Automated lead-archiving using scheduled tasks to reduce manual effort while improving data-processing reliability
- Leveraged AMP pages to improve the performance of web pages on low-end machines thus enabling the application to be accessible to a larger audience

Python Developer, Intern

Mar 2019 – May 2019

Cetpa

- Got hands-on experience working with ML models
- Automated follow-up processes using payment reminders via email/SMS/WhatsApp

Projects

- **Grandmaster – Chess Board – Multiplayer:** Chess game with a polyglot persistence layer (Redis for caching, Cassandra for write-heavy operations, PostgreSQL for relational data) and WebSockets for real-time data-plane communication
- **CoRoute – Co-riding:** Full-stack collaborative trip-planning platform to enable group travel using co-riding
- **Yacht UPS:** Application to manage yacht-related payments, notifications, and admin features with Socket.io for real-time data-plane communication
- **Portfolio:** Built a personal website with responsive design and animations for better engagement

Education

Shri Ram College of Engineering & Management, Gwalior, India

2016 – 2020

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

Certifications

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