

Harsh sahu

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SUMMARY

Backend developer with 2+ years of experience building scalable systems, real-time applications, and cloud-native architectures. Proficient in designing RESTful APIs, implementing **microservices**, and **deploying CI/CD pipelines**. Skilled in **Node.js, React, TypeScript, Docker, Redis, and PostgreSQL** with a strong focus on performance, reliability, and rapid feature delivery.

EXPERIENCE

Software Developer

Walkover Web Solution

February 2023 - Present, Indore

- Engineered GTWY AI using Node.js, PostgreSQL, MongoDB; deployed via Docker and GitHub Actions, reducing release time by 40%.
- **Revamped** server infrastructure to efficiently handle over one million daily requests, enhancing throughput and reducing latency.
- Managed cloud deployments (AWS, GCP) across 5+ projects; performed 100+ code reviews.
- Automated client onboarding pipelines with Node.js, cutting processing time by 50%.

Software Developer Intern

Walkover Web Solution

August 2022 - February 2023, Indore

- Devised an internal automation tool for Slack, Trello, and Google Sheets, reducing manual task execution by 60% for 200+ users.
- Designed 30+ reusable workflows with custom triggers, conditions, and cron jobs to support varied automation scenarios across internal and client-facing tools.
- **Refactored** backend APIs and overhauled state management with Redux-Saga, boosting response times by 40%.
- Collaborated with cross-functional teams to debug production issues, improving overall workflow stability and team response time.

Web Development Intern

The Sparks Foundation

September 2021 - October 2021, WFH

- **Developed** a secure banking web application for user and transaction management, supporting seamless onboarding and transfers for 500+ test users.
- **Integrated** role-based authentication and authorization using **JWT and bcrypt**, strengthening access control and platform security.
- **Engineered** database schemas and **fine-tuned** SQL queries, achieving a 35% improvement in transaction retrieval speed.
- Crafted a responsive UI using React.js and integrated the backend with Node.js and PostgreSQL via REST APIs.

PROJECTS

GTWY AI – AI Middleware for SaaS

Walkover Web Solution • [gtwy.ai](#) • December 2024 - Present

- Architected middleware to integrate LLMs and AI agents into SaaS platforms, enabling chat-based user interfaces for real-time business workflows.
- **Built** features including conversation history storage, function execution, and web scraping to enable rich user interactions across platforms.
- Managed over 2,000 real-time invocations per day while ensuring stability, low latency, and horizontal scalability across cloud environments.
- Followed best-in-class security and performance protocols (MCP, A2A), ensuring compliance, data integrity, and system resilience under load.

ViaSocket – Workflow Automation Platform

Walkover web solution • [viasocket.com](#) • January 2024 - February 2025

- Built a no-code automation tool used by 1,000+ users to streamline workflows across Slack, Trello, and Google Sheets, **automating repetitive tasks and reducing manual input by up to 70%**.
- Established comprehensive monitoring, alerting, and logging frameworks, enabling timely issue diagnosis and resolution improvement.
- Integrated 50+ event triggers and cron jobs, and used Redux-Saga to manage complex state flows with minimal latency.
- Handled over 100,000 daily invocations by scaling backend services to support high concurrency with >99.9% uptime.

EDUCATION

Bachelor of Technology

Indore Institute of Science and Technology • Indore • 2023 • 8.27 CGPA

SKILLS

- **Frontend** – React.js, Next.js, TypeScript, | **Backend** – Node.js, FastAPI, Express.js, Python
- **Cloud** – AWS, GCP, Docker, GitHub Actions | **Databases** – PostgreSQL, MySQL, MongoDB, Redis
- **Other:** Git, Cursor, RabbitMQ, Redux-Thunk, Firebase, Cloudflare