ASHISH SINGH

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WORK EXPERIENCE

Mid AI Full Stack Developer @ Techolution   Feb 2025 - Present
Associate Full Stack Developer   July 2024 - Feb 2025

- Reduced API response latency by 40% (1.73s → 1.05s) via parallel data fetching using React Query and optimized GraphQL resolvers.
- Contributed to AI-powered VS Code extension development, handling editor integrations, command orchestration, and extension-side architecture.
- Architected real-time AI response tracking using Server-Sent Events (SSE), eliminating short polling and reducing infrastructure costs.
- Built and maintained scalable NX monorepo with modular boundaries, shared libraries, Storybook, and Vitest.
- Implemented centralized logging, accessibility improvements, and production monitoring strategies.

Software Development Engineer - I @ Guardians EMS Private Limited   Aug 2023 - June 2024

- Developed mobile-optimized SOS web application with real-time ambulance tracking using Google Maps APIs.
- Automated EMS performance dashboard, reducing manual reporting by 4–5 hours weekly.
- Built React Native healthcare app with secure OTP authentication and real-time location tracking.
- Designed performance testing suite using k6 and Playwright to ensure API and UI reliability.

Frontend Web Application Intern @ Letstream Ventures Private Limited   May 2022 - July 2022

- Developed client management workflows and approval systems in an Ionic-based application.
- Improved mobile UI responsiveness and cross-platform performance.

EDUCATION

B.Tech in Computer Science, Jaypee Institute of Information Technology, Noida   2019 - 2023

PROJECTS

AI Code Review Bot Node.js, Express, OpenAI API, GitHub Webhooks, Docker

- Built an AI-powered GitHub App that automatically reviews pull requests and posts structured feedback.
- Implemented secure webhook verification, installation-based authentication, and intelligent diff parsing.
- Optimized token usage and containerized the service for scalable deployment.

Crypto Tracker (PWA) React, JavaScript, Service Workers

- Developed a Progressive Web App with offline support using service workers.
- Implemented real-time market updates with short polling and modular code splitting.

SKILLS

Languages	JavaScript (ES6+), TypeScript, C++, SQL
Frontend	React, React Native, TanStack Query, Remix, Vue.js
Backend	Node.js, Express.js, GraphQL, REST APIs
AI & Automation	OpenAI APIs, GitHub Webhooks, PR Automation, SSE
Testing	Vitest, Playwright, k6, Storybook
Tools	NX, Docker, Git, Prisma ORM, Postman