Sourav Kashyap

Full-Stack Software Engineer

TypeScript · Node.js · React · React Native · AI/LLM Integrations · Developer Tools

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Open to international remote opportunities and relocation with employer-sponsored work authorization.

SUMMARY

Full-stack software engineer with 2+ years of professional experience shipping production software across Node.js backends, React web apps and React Native mobile apps, down to Kotlin native modules. At Truxo I build real-time tracking, payments, LLM pipelines and voice agents for a transportation management platform. Outside work I publish open-source developer tools on npm, each with a test suite, CI and versioned releases.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, Kotlin, Swift (native modules)
Backend: Node.js, Express, REST APIs, Socket.io (WebSockets), BullMQ job queues, JWT authentication, GraphQL
Frontend: React 19, Next.js, Redux Toolkit, TanStack Table, Tailwind CSS
Mobile: React Native, Expo and EAS, Android native modules, Firebase Crashlytics, React Native Skia
Databases: PostgreSQL, MySQL, Prisma ORM, Redis, SQLite (FTS5)
AI Engineering: OpenAI, Gemini, OpenRouter, tool-calling agents, LiveKit voice agents, MCP servers, Agent Skills
DevOps and Testing: Docker, GitHub Actions CI/CD, AWS (S3, Lambda), npm provenance, Jest, Vitest

PROFESSIONAL EXPERIENCE

Full Stack Developer Dec 2025 – Present
Truxo · Transportation management platform for trucking carriers and brokers

- Built the Android background-location layer of the React Native driver app in Kotlin (foreground service, boot receiver, native bridge), with on-device arrive/depart stop zones and an offline queue that flushes on reopen.
- Investigated and fixed production crashes and ANRs reported through Firebase Crashlytics; added a native exit-reasons module that records why the OS stopped tracking.
- Built an LLM email-ingestion pipeline that turns broker emails and rate-confirmation PDFs into load records (MIME parsing, SendGrid Inbound Parse, Gemini/OpenAI failover via OpenRouter).
- Built a tool-calling voice assistant for the sales CRM with signed confirmations and an audit trail, and a multilingual (English, Punjabi, Spanish) driver voice agent on LiveKit with Twilio SMS fallback.
- Built the load marketplace (bid state machine, carrier load board, email bid-reply sync) and integrated Relay payments end to end with Express services, BullMQ queues and real-time notifications.
- Replaced polling on the Live Loads board with a shared Redis cache and batched Socket.io room joins; built driver chat with attachments, read receipts and translation.
- Managed EAS release builds for the driver and CRM apps, enabled R8 minification, and set up the driver app's unit-test suite behind a pre-push gate.

Stack: TypeScript, React 19, React Native, Expo, Kotlin, Node.js, Express, Socket.io, Prisma, MySQL, Redis, BullMQ, OpenAI, Gemini, LiveKit, Docker

Full Stack Developer Jul 2024 – Nov 2025
Zversal Private Limited · Product and client studio, Mohali, India

- Built and shipped web and mobile apps for B2B, healthcare and e-commerce clients, published on Google Play and the App Store: Fayda Hub, Prima Childcare, ZBot Conversations and Hissaria Steel.
- Led development of Fayda Hub, a B2B stationery ordering app for wholesalers and retailers (Android and iOS); built GitHub organisation sync on the GitHub REST API and webhooks.
- Worked on Apollo Federation GraphQL services, Docker deployments, AWS Lambda functions and CI/CD pipelines.

Full Stack Developer Intern Jan 2024 – Jun 2024
Zversal Private Limited · Mohali, India

- Contributed to React Native applications and the CI/CD workflows behind their Android and iOS releases.

PROJECTS — INDEPENDENT ENGINEERING WORK

ExpoPulse
github.com/sourav2024/expopulse

Static analysis and safe auto-fixes for Expo and React Native apps

- Built a static-analysis CLI with 59 rules across code, assets, dependencies, Expo config, Android and iOS, using Babel AST traversal.
- Implemented safe auto-fixes (atomic writes, backups, path guards) and reporters for terminal, JSON, Markdown, HTML and SARIF 2.1.0, with per-category health scoring.
- Published on npm as a TypeScript pnpm monorepo with 80 Vitest tests and CI on Node 20, 22 and 24.

Stack: TypeScript, Babel AST, pnpm monorepo, sharp, Vitest, tsup, Biome

ScaleGuard
github.com/sourav2024/scale-guard

Scalability audits for Node.js services on PostgreSQL or MySQL

- Built a zero-dependency static scanner that finds connection-pool exhaustion risks, N+1 queries, duplicate PrismaClient instances and transactions that hold connections across network I/O.
- Added a connection-budget calculator based on Prisma's pool formula and Little's law, a PR-diff mode and CI exit codes; output redacts credentials.
- Published on npm and skills.sh as a CLI and Agent Skill for AI coding agents, with 50 tests, CI on Node 18, 20 and 22, and provenance-signed releases.

Stack: Node.js (ES modules), node:test, Prisma, PostgreSQL, MySQL

Technical SEO MCP
github.com/sourav2024/seo-mcp

MCP server that gives AI assistants a technical-SEO toolkit (npm: technical-seo-mcp)

- Built an MCP server exposing 14 tools to AI assistants: site crawl, Lighthouse, sitemap, robots.txt, structured data, hreflang, caching and AI-crawler access.
- Implemented a concurrent sitemap-seeded crawler with a politeness delay and cancellation, and an SSRF guard that is re-checked on every redirect hop.
- Published on npm with 150 tests, CI on Linux and macOS, and only two runtime dependencies.

Stack: Node.js, Model Context Protocol SDK, zod, Lighthouse

Additional independent products

AI Vault · Offline-first document vault for Android — Google Play

On-device OCR and PDF text through custom Expo native modules (Kotlin: PdfRenderer, ML Kit; Swift: PDFKit, Vision), SQLite FTS5 search, expiry-date extraction with reminders, and a biometric lock. The release build has no INTERNET permission. Built and released solo.

Stack: React Native, Expo SDK 57, TypeScript, Kotlin, Swift, SQLite, Drizzle ORM, Zustand, Jest

Dabba Dash · Arcade game for Android, rendered in code — Google Play

React Native Skia game with a deterministic fixed-step engine and seedable PRNG, a lane planner that guarantees a survivable route, and sprites recorded once as Skia pictures. 60 tests. Built and released solo.

Stack: React Native, Expo SDK 58, TypeScript, React Native Skia, Reanimated, Zustand, Jest

OPEN SOURCE

npm packages: expopulse | @expopulse/core | scale-guard | technical-seo-mcp
Agent Skills: skills.sh/sourav2024
Source and releases: github.com/sourav2024

EDUCATION

B.Tech, Computer Science and Engineering — 2020 – 2024

Guru Nanak Dev University Regional Campus, Gurdaspur · CGPA 8.37