

Sahil Nawaz

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SUMMARY

Software Development Engineer at Nikah Forever. I work across the full stack, from REST APIs and distributed data pipelines to AI integrations and production web platforms. B.Tech CSE, First Division, 2026. Looking for software engineering roles in India or remotely.

EXPERIENCE

Software Development Engineer I · Nikah Forever — Delhi, India Dec 2025 – Present

SDE I, Jun 2026 – Present · SDE Intern, Dec 2025 – May 2026 (converted to full-time)

- Cut a high-traffic API from 6–7 s to **200–300 ms** with query rewrites, composite indexes and an app-level cache, and shipped an account-lifecycle cron that archives deletions across MySQL, Firebase, S3 and Zoho CRM and restores them if the user returns within the retention window.
- Built real-time chat moderation where TypeSafe's Jev model scores messages and flagged ones reach the receiver **blurred with tap-to-reveal**. It fails open on timeout, is gated by app version and stays in sync across MySQL, the Node outbox and Firebase.
- Building **Coco**, an AI triage agent in Slack and Jira that verifies escalations against read-only production MySQL and the PHP, Node and Flutter code before filing tickets, and dedupes them by error signature.
- Own the Auto Web Dialer **end to end**, a lead-prioritisation engine on Exotel WebRTC that scores and queues 50 contacts per agent from ML signals, payment intent and plan-visit data, feeding a multi-gateway payments layer across Razorpay, Cashfree and PayGlocal that picks the gateway at run-time by success rate for that country and currency.
- Architected the AI hiring platform at career.nikahforever.com, where candidates go through **GPT-4o** resume screening, MCQ and subjective rounds, an optional coding challenge and a 15 to 25 minute voice interview, with anti-cheat running GPT-4o Vision and WPM analysis and support for 12 Indian languages through ElevenLabs and Sarvam AI.
- Rebuilt the NikahForever web app (web.nikahforever.com) from scratch on Next.js 16 and React 19, with OTP authentication, a 4-stage identity check from selfie to document to number to profile, real-time chat and a subscription plus profile-boost funnel, running on **Cloudflare edge** behind a backend gateway that proxies every API call.
- Built a GitHub Actions cache-warming pipeline that keeps tens of thousands of SEO pages fresh across 3 regions so Cloudflare serves most traffic from the edge, at a **98%+ success rate** with no always-on server.
- Built GoSalam.com, a travel agency site fully configurable from an admin portal with no code changes, and a feedback intelligence platform on React, Node.js and PostgreSQL that scores call recordings, app-store reviews and support tickets through a 5-stage AI pipeline, cutting manual processing effort by **85%**.

Web Developer Intern · Tussle Digital — Gurugram, India Jun 2025 – Nov 2025

- At Tussle Digital, built an AI Chat API on Node.js and Azure OpenAI with short and long-term memory through embeddings, then architected Kanban, Gantt and Workload modules with WebSocket real-time sync that the team used to track 30+ tickets a day, and ran HubSpot EDM campaigns for 5 clients that cut manual email effort by **30%**.

Freelance Shopify Developer · Remote Nov 2024 – Jan 2025

- Delivered a Shopify store with custom Liquid templates that, within one month of launch, lifted SEO score by 35%, cut page load time by 28% and grew organic traffic by **40%**.

PERSONAL PROJECTS

NEXUS — Sovereign AI Desktop App — Electron · React · TypeScript · node-llama-cpp · MCP 2025–26

- A local LLM desktop workspace that runs entirely on the user's hardware. A hardware-aware pre-warm pipeline probes VRAM at startup and loads the likely model ahead of time, cutting first-token latency by about **2.5 seconds**, and it routes across Llama.cpp, Ollama and the cloud through one interface, with MCP integration adding real-time web search without any external pings.

Nudge Dev — AI Developer Tooling Suite — TypeScript · VS Code API · DeepSeek R1 · Groq · Gemini · SQLite 2025–26

- Published three VS Code extensions for developer workflows, [Nudge Dev](#) where six AI personas debate your plan before you write a line, [Nudge Junior](#) for lightweight in-editor AI nudges, and [BranchMap File Tree](#) for generating a clean, copy-ready file tree. Combined they have pulled in **5k+ downloads** on Open VSX.

MailSetu — Email & SMS Delivery SaaS — Next.js · Node.js · PostgreSQL · BullMQ · Redis · Stalwart SMTP 2026

- A transactional email and SMS platform with a REST API supporting sandbox and live modes, SPF, DKIM and DMARC domain verification, HMAC-signed webhook delivery, BullMQ async workers with retry logic, and **Razorpay billing** with GST invoices.

SKILLS

Languages	JavaScript, TypeScript, Python, Java, C, HTML/CSS, Bash
Frameworks	React.js, Next.js 16, Node.js, Express.js, Tailwind CSS, Prisma ORM, Electron.js
Databases	PostgreSQL, MongoDB, MySQL, Firebase, Redis, Supabase, SQLite
Tools & AI	Git, GitHub Actions, Cloudflare Workers, OpenAI API, Azure OpenAI, BullMQ, JWT, REST APIs, WebSockets
DSA	302 problems solved on LeetCode · CodeChef 1414 rated (Div 3, 2★) · 12 contests

EDUCATION

B.Tech, Computer Science and Engineering · 2022 – 2026 Lloyd Institute of Engineering and Technology, AKTU · First Division

AI & Machine Learning, Credit-Linked Program · 2025 – 2026 IIT Guwahati × Masai School · CGPA 8.90 / 10