

Shahid Afrid

Software Developer · AI, automation and full-stack

Bengaluru, India · shahidafrid97419@gmail.com · github.com/shxhid-dev · linkedin.com/in/shahidafrid-dev · shahidafrid.qzz.io

Software developer building and running production systems for an industrial distribution business. I own the front end of a 200,000-product Shopify storefront, designed and deployed an MCP-based AI shopping agent on Claude that searches the full catalogue and completes checkouts, and wrote the Node services behind both. Comfortable across the whole path: interface, API, deployment and the debugging that only starts once something is live.

EXPERIENCE

Software Developer — AI & Automation

Dec 2025 – present

Creative Industrial Automation · remote (UAE team)

- Own the front end of a 200,000-SKU Shopify storefront end to end: theme, category architecture, navigation, filters, search, pre-orders and SEO.
- Designed, built and deployed an MCP-based AI shopping agent on the Claude API — three services on Railway — live in production since February 2026.
- Built an Express shipping-estimate service that quotes live carrier prices in the cart while holding all OTO credentials server-side.
- Launched a second regional storefront for Saudi Arabia and the brand distributor landing pages that receive the company's Google Ads traffic.
- Build n8n automations across CRM, Shopify, WhatsApp, email and Google Sheets to remove manual operations work.
- Handle deployment, production debugging, PostHog analytics instrumentation and Google Ads audits.

Earlier experience

2024 – 2025

- Machine Learning Engineer, intern — CodeAlpha (Mar–May 2025). Credit-scoring, handwritten character recognition and disease-prediction models, preprocessing through deployment.
- Frontend Developer, intern — CodeAlpha (Sep–Oct 2024). Responsive React components and performance refactoring.
- Full-Stack Developer, intern — SmartED Innovations (Mar–Jul 2024). Next.js, Node.js and FastAPI apps with cloud database integration and CI/CD.

SELECTED PROJECTS

OTO Shipping Estimator — in production

Node.js, Express, Railway

- Express proxy between a Shopify cart and OTO's delivery-fee API. One public endpoint; the refresh token never leaves the server, with a cached access token refreshed proactively and a retry on mid-request 401/403.
- CORS allow-list, two tiers of rate limiting, short-TTL response cache, upstream timeouts with bounded retries, and a credential-free mock mode for local development.
- Cart widget computes chargeable weight from /cart.js and renders carrier options with COD surcharge shown separately from price. Live at creativeautomation.ae/cart.

Shopify AI Chat Agent (MCP) — in production

Claude API, MCP, Railway

- Claude agent server, MCP tool server and storefront service; searches a 200k-product catalogue and completes add-to-cart and checkout inside the chat.
- Rebuilt search against the Storefront API with broad-first querying, simplified-query retries, multi-level fallback, SKU exact-match ranking and vendor inference; removed redundant API layers.
- Diagnosed and fixed production-only failures: a Storefront token 401 loop (rebuilt on the Admin REST flow) and Shopify blocking the app as a security threat.
- Constrained the agent to canonical Shopify product URLs, eliminating fabricated product links.

Creative Automation storefronts — UAE and Saudi

Shopify Liquid, metafields

- Metafield-driven parent/child collection hierarchy rendering 270+ collection pages and 120+ subcategories with no per-collection hardcoding; breadcrumbs auto-generate the deepest path with zero per-product setup.
- Metafield filters across 200+ collection pages with Rapid Search; resolved filter-definition conflicts and secured a plan sized for 200k products.
- Imported ~40,000 products and corrected 4,974 broken image URLs traced to unstable PageSpeed links.
- Pre-order system with mixed-cart warnings, product-page rebuild, site-wide SEO structure work and PostHog analytics. Launched the Saudi storefront from the same theme in May 2026.

Tutorly — AI study platform (personal)

React, Python, LLM APIs, AWS

- Note generation, flashcards, quizzes, math solving, a doubt-chain assistant and an audio-recap pipeline on S3 and AssemblyAI. Live at gettutorly.vercel.app.

Forms.io — form builder (personal)

React, TypeScript, Supabase

- Build, share and manage forms with live validation and response collection. Live at formsio.vercel.app.

SKILLS

Languages	JavaScript, TypeScript, Python, Shopify Liquid, SQL
Front end	React, Next.js, Tailwind CSS, semantic HTML, CSS architecture, accessible UI
Back end	Node.js, Express, FastAPI, REST API design, OAuth and token lifecycles, webhooks, caching, rate limiting
AI engineering	Anthropic Claude API, MCP servers and tool design, agent architecture, prompt design, RAG, OpenAI, Gemini
Commerce	Shopify Online Store 2.0, Liquid themes, metafields, Storefront API, Admin REST API, Matrixify, catalogue architecture
Automation	n8n, CRM and WhatsApp integrations, Google Sheets pipelines, JSON transformation, workflow logic
Infrastructure	Railway, Vercel, AWS S3, Docker, CI/CD, Git, Linux, secret management
Data and growth	PostgreSQL, MongoDB, Supabase, PostHog, technical SEO, Google Ads audits

EDUCATION

Bachelor of Computer Applications — Nitte Meenakshi Institute of Technology, Bengaluru	2022 – 2025
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