Muhammad Saad

Shopify Engineer: storefronts, public Shopify apps, and the infrastructure behind them

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iessentialshub.com · linkedin.com/in/sulehripedia · github.com/sulehripedia · SwiftSearch · Swift AI Collections

SUMMARY

Shopify engineer with 4+ years in e-commerce. I built and published two Shopify App Store apps solo, SwiftSearch and Swift AI Collections. I also run the operations platform behind a 70,000+ product Shopify store.

I own work end to end: Liquid and Shopify Plus storefronts, Shopify apps and Functions, Node and Python back ends. I deploy it myself on Linux, Docker and Kubernetes with CI/CD. Looking for remote Shopify engineering roles and contract work.

TECHNICAL SKILLS

- **Shopify platform:** Shopify Plus, Liquid, Online Store 2.0, Shopify Functions, Checkout Extensibility, metafields and metaobjects, Admin and Storefront GraphQL, Bulk Operations
- **Shopify apps:** React Router app framework, Polaris web components, App Bridge, theme app extensions, app proxy, Web Pixels, Billing API, compliance webhooks, App Store review
- **Front end:** React, Next.js, TypeScript, JavaScript, Vite, Tailwind CSS, GSAP, Framer Motion, Core Web Vitals
- **Back end and data:** Node.js and Express, Python (FastAPI, Flask, asyncio), PostgreSQL, Prisma, Typesense, Supabase, REST and GraphQL APIs, webhooks, LLM integration
- **Infrastructure:** Linux (Ubuntu), nginx and TLS, systemd, Docker, Kubernetes (k3s), GitHub Actions CI/CD, GHCR, Hetzner, Vercel
- **Tracking:** Google Tag Manager, GA4, dataLayer events, Meta and TikTok pixels

SHOPIFY APP STORE APPS (BUILT SOLO)

SwiftSearch: instant search and filters 2026

- Replaces a store's default search with instant, typo-tolerant results and add-to-cart inside the results
- Lists every zero-result search with a one-click synonym fix; ranking learns from clicks and add-to-carts
- Line-item revenue attribution through a consent-gated web pixel; 4.5 KB core script, 18 KB UI loaded only on search intent
- TypeScript, React Router, Typesense, Prisma, PostgreSQL, Docker

Swift AI Collections: collection merchandising Launched August 2026

- Ranks collections on revenue, conversion, margin, stock health and position-adjusted click-through, re-sorted hourly
- Minimum-move planner (longest increasing subsequence): on 57 real runs from a 47,000-product store, 3.8x fewer moves sent to Shopify (84,916 to 22,299)
- Preview, rollback snapshots, a guardrail calibrated on production runs, and Bayesian A/B testing of sort strategies
- Loyalty add-on in rollout: member prices shown while browsing and applied at checkout by a Shopify Function
- Sorts 2,300+ collections for a live merchant; TypeScript, React Router, Prisma, PostgreSQL, nginx and systemd

EXPERIENCE

Senior Shopify Developer, VA Hub Pro Remote · Dec 2025 to present

- Shopify Plus development for enterprise clients across the US and Europe
- Headless and hybrid storefronts with Hydrogen and Oxygen, plus custom Liquid themes and sections
- Custom checkout flows and Plus features that cut reliance on third-party apps; storefronts kept at 90+ on PageSpeed

Shopify Developer and CRO, Nordblooms (New York) Remote, freelance · Dec 2024 to present

- Lead developer for a luxury floral brand: custom, editable Online Store 2.0 sections; Lighthouse 95 desktop and 91 mobile
- Technical SEO (JSON-LD schema, breadcrumbs), metaobjects, catalogue work and integrations
- Prototyped the store's first AI chat concierge, which became the Dahlia AI product

Shopify and Full-Stack Developer, freelance (Upwork and direct clients) Remote · Mar 2022 to present

- BeautyCorner.gr (Shopify Plus, beauty and fragrance): rebuilt the mega-menu and category structure with 1,474 A to Z brand collections across 6 sales channels
- Core Web Vitals-safe Google Tag Manager deployment with custom dataLayer events for search and conversion
- PERLA streetwear: sole developer, built the store end to end from a blank theme; ongoing collections and conversion work

WordPress Developer, Interactive Strategies Remote · Jul 2022 to Nov 2024

- Custom WordPress and WooCommerce themes, plugins and API integrations (PHP, JavaScript, MySQL)
- Performance and conversion work through CDN integration, caching and responsive front-end code

Junior Full-Stack Developer, Alpha Data On-site · 2020 to 2022

- Joined as an intern and was promoted to developer within three months; WordPress and WooCommerce builds and migrations

SELECTED PROJECTS

BC Supply Ops: operations platform for a 70,000+ product Shopify store

- Catalogue import, stock sync across seven suppliers, supplier ordering with cross-supplier fallback, repricing, price feeds and revenue analytics
- Every live write guarded by dry-run plans, typed confirmations and audit logs, because it places real supplier orders
- Self-hosted on Ubuntu behind nginx and TLS, with 10+ systemd services and timers; React, Python and Node

Dahlia AI: AI sales concierge live on two Shopify stores

- React widget compiled to one script that embeds in any theme; Node API orchestrating an LLM, Shopify GraphQL and Postgres
- Operator CMS with live inbox, human takeover, lead capture and analytics, in English and Greek
- Runs on a k3s Kubernetes cluster: autoscaled Deployment, Postgres StatefulSet, daily backup CronJob, ingress-nginx with cert-manager TLS; GitHub Actions builds to GHCR and rolls out

COD Fee and Rules: Shopify Functions checkout app

- Payment Customization Function that shows, hides, renames or reorders Cash on Delivery by country, currency, cart value and shipping method
- Compact rule format designed around the Functions input limit, with a safe fallback so checkout never breaks; React Router, Prisma, tests

EDUCATION AND CERTIFICATIONS

- **BS Computer Science**, Lahore Garrison University · 2022 to 2026
- **Intermediate, Pre-Engineering**, Garrison College, Lahore · 2020 to 2022
- The Complete Web Development Bootcamp, Udemy · 2023
- E-Commerce Store with WordPress and WooCommerce, Udemy · 2023