AHSAN SHAHID

Full-Stack & Backend Engineer · Polyglot Systems · Retail Operations Lead

contact@ahsawwn.com
+92 336 9507110 · ahsawwn.com

Open to senior frontend, platform & retail-systems roles

THE SHORT VERSION

Six years on retail floors and in the systems behind them. I run point-of-sale terminals, the ERP that feeds them, the payment rails in between and the networks they depend on - and I have stocked the shelves, so I know which problems are real. The stack is polyglot on purpose: TypeScript and Node for the product, Python for automation, C# where a vendor SDK insists, Rust and Go where the machine binds.

6+	134k	12
YRS RETAIL	LOC SHIPPED	PRODUCTS

EXPERIENCE

Operations Lead & Pharmacy Store Manager

Bismi Pharmacy

Sarai Alamgir, Pakistan — 03/2020 - Present

- Own end-to-end store operations: procurement, supplier purchase orders, stock replenishment, vendor contracts and quarterly inventory audits.
- Hold the line on pharmaceutical storage standards, health regulations and commercial operating licences.
- Recruit, train and schedule floor staff, running the weekly roster against peak trading hours.
- Run shrink-reduction protocols and inventory controls that actually protect margin.

Administrative Operations Manager & Executive Assistant

Bismi Complex Hospital

Sarai Alamgir, Pakistan — 12/2019 - Present

- Oversee facility administration, staff scheduling and logistics with the leadership.
- Coordinate legal documentation, municipal licensing and regulatory compliance across business units.
- Head site IT and security: CCTV installations, point-of-sale infrastructure and network uptime.

Marketing Manager (Sales & Promotions)

ABH Holdings (Citi Housing)

Kharian, Pakistan — 05/2025 - 07/2026

- Led online promotional campaigns and digital sales operations, building customer pipelines across regional markets.
- Tracked sales targets, evaluated promotional channel ROI and managed inquiry conversion.

Retail IT & Infrastructure Specialist

Multiple commercial sites

Pakistan — 08/2020 - Present

- Deployed site-level CCTV security systems, networks and POS installation across multiple locations.
- First call for retail hardware, operating systems and local network faults - on site, same day.
- Also build the software side: POS, ERP and reconciliation.

EDUCATION

Secondary School Certificate (Matriculation)

BISEGRW, Pakistan

LANGUAGES

English · Urdu · Hindi · Punjabi · Arabic · Spanish

SELECTED WORK

RetroPOS — 4,200 LOC
A retro-style terminal POS built with Bun + OpenTUI + SQLite

Nerve — 56.9k LOC
An enterprise commerce and FBR compliance engine with hardware-locked licences.

Frosted — 7,740 LOC
An ERP and POS suite engineered for 1080p terminals and the 2am rush.

Nerve FFMS — 4,555 LOC
A Tauri POS terminal that runs the till, the kitchen and the stock in one binary.

ROOKIES Bakery — 25.4k LOC
A bakery platform with a production-grade admin, built on Next.js 16.

deFrost — 9,686 LOC
A clothing commerce platform with a full admin panel and a POS system attached.

Oftsy RMS — 32.8k LOC
A restaurant management system in two halves: a native app and the web back office.

PaisaFlow — 1,831 LOC
A checkout and webhook sandbox SDK for Pakistani mobile wallets.

Pharmacy POS — 8,827 LOC
A React Native point of sale for pharmacies, with receipt OCR built in.

STACK

WEB & 3D	TypeScript, React, Next.js, Tailwind, Three.js
MOBILE	React Native, Expo, SQLite, PWAs
BACKEND & DATA	Node.js, PostgreSQL, Drizzle, Auth.js
LANGUAGES	Python, Rust, Go, shell
DELIVERY	Git, Vercel, GitHub Actions

ALSO

Store & daily workflow management · Purchase orders and vendor negotiation · Stock audits and loss prevention · Regulatory compliance and licensing · CCTV, networks and POS infrastructure

SEE THE WORK

Full case studies, a live terminal, a tip jar and two cats.

ahsawwn.com — github.com/ahsawwn

Available for senior frontend, backend, platform or retail-systems roles. Remote, or relocation to the Gulf.