# Solomon Atansuyi

**Full-Stack Web Developer · TypeScript · React / Next.js · Node.js · PostgreSQL**

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## PROFILE

Full-stack web developer who builds production TypeScript applications end to end: React and Next.js frontends, Node.js and Express APIs, and PostgreSQL databases. I shipped a live e-commerce platform for a Lagos skincare brand, plus SaaS products with Paystack billing, Gemini-powered AI and role-based access. I focus on correctness and security: idempotent payments, row-level locking, rotating refresh tokens and automated attack testing. Open to junior frontend, full-stack and software engineering roles.

## TECHNICAL SKILLS

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|---|---|
| **Languages** | TypeScript, JavaScript (ES2023+), SQL, PL/pgSQL, HTML5, CSS3 |
| **Frontend** | React 19, Next.js 16 (App Router, Server Components, Server Actions), Vite, Tailwind CSS 4, shadcn/ui, Radix UI, TanStack Query, TanStack Table, React Hook Form, Zustand, React Router, Motion, Recharts, Leaflet, i18next |
| **Backend** | Node.js, Express 5, REST API design, Next.js Route Handlers and Middleware, Zod, BullMQ, Redis, webhooks, cron jobs, pino logging, PDF generation (PDFKit, React-PDF) |
| **Data** | PostgreSQL, Supabase (Auth, Storage, Row Level Security), Prisma, node-postgres (raw SQL), migrations, triggers and stored functions, row locking, indexing, Neon |
| **Security** | JWT with rotating refresh tokens, role-based access control, Google OAuth 2.0 / OIDC, OTP login, argon2id, bcrypt, rate limiting, Helmet, CORS, CSP, HSTS, HMAC webhook verification, secure file uploads, GitGuardian |
| **Payments** | Paystack (initialisation, verification, webhooks, subscriptions), idempotent payment handling, double-entry ledgers, reconciliation, gateway failover |
| **Testing & DevOps** | Vitest, Supertest, load testing (autocannon), ESLint, TypeScript strict mode, Docker, Docker Compose, GitHub Actions, pnpm monorepos, Vercel (serverless, cron), Render, Git |
| **AI** | Google Gemini API, prompt engineering, Resend transactional email, AI-assisted development (Claude Code, Codex) |

## PROJECTS

### Sh'Oil Skin & Bodycare — E-commerce platform (client project)

shoilskin.com

Next.js 16 · React 19 · TypeScript · Supabase · PostgreSQL · Tailwind CSS 4 · Paystack · Resend · Vercel

- Built and deployed a production store for a Lagos skincare brand: storefront, cart, checkout, customer accounts, stock management, analytics and a role-based owner/staff dashboard, on a custom domain.
- Integrated Paystack with server-side amount verification and signed webhooks, and made payment handling idempotent so repeated notifications can't process an order twice.
- Prevented overselling with race-safe stock reservation, using PostgreSQL functions and row locking.
- Designed a bank-transfer checkout with secure receipt uploads (file-content checks, private storage, expiring signed links) and an owner approval flow.
- Ran a security audit and fixed an admin login bypass, a shipping-fee bypass and unescaped user input. Secured the database with Row Level Security and audited what the public key could read and write.

### Payment orchestrator — Multi-gateway payments with a double-entry ledger

TypeScript · Express 5 · PostgreSQL · Prisma · Redis · BullMQ · React · Vitest · Docker · GitHub Actions

- Built an append-only double-entry ledger (money in integer kobo), enforced in code and by PostgreSQL triggers.
- Removed a double-spend race with row-level locking. A 50-request concurrency test went from **31 withdrawals and a −₦21,000 balance** to **exactly 10 withdrawals and ₦0**.
- Designed idempotent webhook processing with HMAC-SHA512 verification, deduplication, queued retries with exponential backoff, a dead-letter queue and a polling fallback.
- Added per-gateway circuit breakers with failover routing, and nightly reconciliation against settlement reports that detects double charges.
- Wrote **63 automated tests** against real Postgres and Redis, a CI pipeline in GitHub Actions and 14 Architecture Decision Records.

**MoneyFlow** — Personal finance SaaS money-flow-nu-five.vercel.app

React 19 · TypeScript · Vite · Tailwind CSS 4 · Node.js · Express 5 · PostgreSQL · Gemini API · Paystack · Resend

- Built a finance app for budgets, savings goals, reports and forecasting, with CSV bank-statement import, automatic categorisation and recurring-payment detection.
- Added an AI money coach on the Gemini API that answers in the user's language. The app supports **5 languages** with per-country currency formatting.
- Implemented argon2id passwords, rotating refresh tokens, Google sign-in, and a Pro plan billed through Paystack with webhook signature checks and server-enforced limits.
- Wrote **115 automated attack tests** covering authentication bypass, token forgery, cross-user data access, payment replay and unpaid Pro access.

**DirectLet** — Rental platform for Lagos directlet-deploy.vercel.app

React 19 · TypeScript · Vite · Tailwind CSS 4 · Express 5 · Prisma · PostgreSQL (Supabase) · Leaflet · pnpm monorepo · Vercel

- Built a marketplace where renters find flats on a map, get directions and message landlords directly, with landlord, tenant and admin roles.
- Designed a modular API (properties, tenancies, rent tracking, complaints, inspections, messaging) with Zod validation and types shared between web and API.
- Secured it with short-lived access tokens, a rotating refresh cookie, rate limiting and security headers. Responded to a GitGuardian alert by removing exposed demo credentials.
- Shipped it as an installable PWA with an offline page, PDF rent receipts and a Vercel cron job.

**School management portal**

Next.js 15 · React 19 · TypeScript · Supabase · Prisma · Tailwind CSS 4 · shadcn/ui · Zod · Vitest

- Built a portal for admins, bursars, teachers and students, with Row Level Security on **all 29 tables**.
- Generated invoices, receipts, report cards and ledger statements as PDFs, with CSV and Excel import and export for students and results.

**ServiceHub** — Barbershop booking SaaS servicehub-zeta-eight.vercel.app

React · TypeScript · Supabase · PostgreSQL

- Built shop booking pages, appointment management and separate owner and barber sign-ins.

## EXPERIENCE

**Freelance Full-Stack Developer** Lagos, Nigeria · Present

- Delivered the Sh'Oil Skin & Bodycare store to a paying client, from requirements through deployment, custom domain and email setup.
- Built and deployed SaaS products (MoneyFlow, DirectLet, ServiceHub) on Vercel with PostgreSQL, Paystack and Gemini integrations.

**Web Designer / Developer** — AITERM 2021

- Gathered user requirements, planned the designs and built the UI.
- Built and maintained the company's front-end and back-end website with HTML, CSS, JavaScript, PHP and MySQL.
- Worked with the customer care team to resolve client issues.

## EDUCATION

**B.Sc. Industrial Mathematics with Computer Science** — University of Lagos 2026

**Certificate in Web Design and Development** — Chrisgate College 2021

## ADDITIONAL INFORMATION

- Interested in building reliable web products and integrating AI and third-party services into practical workflows.
- Currently exploring AI automation: agents, retrieval-augmented generation (RAG) and workflow automation.
- Interests: sports and gaming.