

Khairy Islam Shaheen

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SUMMARY

Full-stack engineer building production systems across Python, PHP, and JavaScript/TypeScript. Shipped a bilingual Laravel 12 e-commerce site processing live Paymob payments across 27 Egyptian governorates and a zero-trust FastAPI + Gemini chatbot; contributed to team FastAPI/React platforms, including a React 19 ERP frontend prototype and a security-hardened ordering system.

EDUCATION

Egypt-Japan University of Science and Technology (E-JUST)

Oct 2023 – Feb 2028

B.Sc. Computer Science & Engineering | cGPA: 3.2

Coursework: Data Structures (C), Advanced Programming (OOP), Computer Networks, Signals & Systems, Probability & Statistics

EXPERIENCE

Shaheen for Import & Export

Aug 2022 – Present

IT & Digital Operations Lead

Tanta, Egypt

- Built and deployed a production Laravel 12 e-commerce platform (100+ routes, bilingual AR/EN, Paymob HMAC SHA-512 payment gateway, Google OAuth, Filament 4 admin) serving 519 products across 27 governorates
- Developed a zero-trust WhatsApp AI chatbot (FastAPI + Gemini 1.5 Flash) with 3-layer security: env-level phone whitelist, forbidden-keyword interceptor before LLM, and stateful per-user sessions
- Automated a 1,343-file enterprise cloud migration with idempotent Python/shutil pipeline, Arabic text normalization middleware, and exponential-backoff retry logic for I/O failures
- Managed production infrastructure: Cloudflare DNS/SSL, cPanel, SSH deploy keys, auto-deploy, nightly server-repo drift-check

PC Building Store

Jun 2019 – Aug 2022

Technical Assistant

Tanta, Egypt

- Assembled 40+ custom PC builds; diagnosed hardware/software issues (BIOS, thermals, drivers)

PROJECTS

Scentura ERP – Aeron Frontend Prototype (contributor)

Vite, React 19, TypeScript, TanStack Router, shadcn/ui

- Contributed a React 19 frontend prototype (“Aeron”) – 23 lazy-loaded route modules with shadcn/ui, Tailwind, Recharts dashboards, and token-based dark/light theming – to a classmate-led 22-app Django ERP
- Integrated against the system’s event-sourced inventory, FIFO batch allocation, 8-role JWT RBAC, and pure-Python ridge-regression forecasting

Customer Ordering System (team project, repo owner)

FastAPI, SQLAlchemy, Docker, React, HuggingFace API

- Owned the cart/checkout slice of a CSE323 team platform built on a 7-router, feature-sliced FastAPI backend (order state machine, UUID payment stubs with idempotency keys, stale-order sweep)
- Built PII-redaction middleware (146-line pytest suite) and a PromptInjectionGuard; integrated HuggingFace distilbert for ticket triage; containerized PostgreSQL 15 via Docker Compose

Bellissimo Coffee Shop

React 19, Vite, Tailwind v3, Framer Motion, Lenis

- Created a “Liquid Glass” design system with glassmorphism and a Circadian Lighting Engine (auto-switches Morning/Afternoon/Evening theme); multi-phase BaristaButton animation via Framer Motion

SWE Perfume Marketplace

Express 5, MongoDB, JWT, Cloudinary, Jest/Supertest

- Built multi-vendor API with user/vendor/admin RBAC, admin approval workflow, Cloudinary image pipeline, and celebrate/Joi validation

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, PHP, C++, SQL, Dart, \LaTeX

Backend: FastAPI, Django 6 + DRF, Laravel 12 (Livewire 3, Filament 4), Express 5

Frontend: React 19, Tailwind CSS, Framer Motion, Flutter, HTML5/CSS3

Databases: PostgreSQL, SQLite, MongoDB (Mongoose), SQLAlchemy, Eloquent

DevOps: Docker Compose, Git, Cloudflare, cPanel, ngrok, SSH, CI/CD pipelines

APIs: REST, JWT (bcrypt/HS256), Meta WhatsApp Cloud API, Google Gemini, HuggingFace, Paymob