

# MUHAMMAD KAMIL

AI Automation Specialist · E-commerce Architect · Founder & CTO

DHA Phase 8, Lahore, Pakistan | +92 321 8486264 | me@muhammadkamil.com  
muhammadkamil.com | linkedin.com/in/muhammad-kamil-5a4011120 | thirddimension.pk

## PROFILE

Founder and technology leader with 13+ years across e-commerce, AI automation, software development, and digital marketing. I design and run complete digital operations end-to-end: custom software, Shopify stores, performance ad campaigns, and AI-powered workflows, using LLM-assisted development (Claude, GPT, Gemini) to deliver at agency scale as a hands-on engineer. 50+ brands served with 85% client retention; ad campaigns averaging 6x ROAS.

## CORE EXPERTISE

**AI Automation & LLM Engineering:** Custom AI agents, advanced prompt engineering, RAG systems, n8n / Make workflow automation, AI-assisted development (Claude Code, Cursor, OpenCode, Antigravity)

**E-commerce:** Shopify (theme development, custom Liquid, app integrations, migrations, CRO), WooCommerce, custom-coded platforms

**Performance Marketing & SEO:** Meta, Google & TikTok Ads: strategy, creative, and data-driven scaling; technical SEO and organic growth

**Full-Stack Development:** Python (FastAPI), PHP, JavaScript/TypeScript, Next.js, React Native / Expo, Supabase, MySQL

**Technology Leadership:** Fractional CTO for funded startups, systems architecture, data management, vendor and team leadership

## EXPERIENCE

### Founder & CTO, ThirdDimension, Lahore 2013 – Present

*Two arms under one brand: a full-service digital agency serving 50+ brands with 85% retention, and ThirdDimension PK (thirddimension.pk), a D2C 3D-printing e-commerce business designing, manufacturing, and selling collectibles, lamps, and home décor nationwide.*

- Architected and operate the agency's entire delivery stack as a solo engineer using AI-assisted development: bookkeeping and financial reporting platform (FastAPI / Supabase), order and print-queue systems, SEO and social-media automation bots, and data-scraping tools.
- Built ThirdDimension PK end-to-end: parametric product design (CadQuery), automated slicing and costing (Bambu Studio CLI), Shopify storefront, courier integration, and a data-driven Meta ads rebuild that scaled the top campaign to 7.4x ROAS.
- Delivered full client platforms across industries including fashion, hospitality, travel, agriculture, healthcare, and architecture (detailed under Products & Client Solutions below).
- Run brand identity, photography/video, and social media services alongside engineering delivery.

### Shopify Lead & Data Management, RayJoy Tech, Houston, USA (remote) Mar 2024 – Present

- Created and manage a UK-based online marketplace for client localverse.io.
- Built and currently manage a US-based Shopify store for client splashanddashlakegaston.com, including full migration from Wix / Square.
- Co-developed lens.localverse.io, an AI tool that helps e-commerce sellers digitize products faster and more accurately.
- Led data tagging, analysis, and multi-department data management programs for Staffbase.

### Chief Technology Officer, Ostruce (ostruce.com), Lahore Dec 2022 – Nov 2025

*Sustainable wellness brand serving 100,000+ customers since 2011.*

- Owned the complete technology function: e-commerce platform, mobile apps, analytics, cybersecurity, and customer data privacy, along with automating the accounts department workflows.
- Tripled sales growth over the engagement while leading the IT team and managing vendor relationships.

### CTO & Co-Founder, Kaprang Fashions, Lahore Dec 2021 – Dec 2022

*Multi-brand platform empowering women in fashion apparel with a global digital presence.*

- Generated PKR 3M revenue in six months on a PKR 0.7M marketing budget, 43% of it from online sales.
- Built the Shopify platform, quality-assurance and data-protection processes, logistics, and the accounts function.

### Earlier Roles

- Head of Tech, HR & Sales, Vizyon Interiors, Lahore (2021): led sales teams, hiring, and the company's website and social presence.

- Founder & Team Lead, Bellwether Digital Media, Lahore (2017 – Present): full-service marketing agency; web design, campaigns, creative studio, and distributed team management.
- IT & Operations Manager, Strongman Securities (Pvt) Ltd., Lahore (2010 – 2017): Pakistan Stock Exchange brokerage; client services, IT, and regulatory reporting to SECP / PSX / NCCPL.

## PRODUCTS & IN-HOUSE PLATFORMS

---

- **TD Commerce Manager:** A self-hosted e-commerce management platform built as an in-house alternative to Shopify. Product catalog, orders, inventory, and storefront management under full ownership of data and infrastructure.
- **TD Shopify Manager:** A secure operations dashboard (FastAPI + Supabase, PIN + TOTP 2FA) whose intelligence engine audits catalog health daily, models unit economics and margins, and generates prioritized action briefings with one-click bulk fixes; integrated with courier APIs.
- **ThirdDimension Accounting:** A bookkeeping and financial reporting platform. Double-entry ledger, P&L, cash-flow and balance-sheet reporting, tax summaries, inventory, bank tracking, and a print-queue bridge synced with Shopify orders.
- **ThirdDimension SEO Suite:** An on-page bot that writes AI-optimized SEO metadata across entire Shopify catalogs with resumable state tracking and dry-run mode, plus an off-page engine for outreach, directory, and content campaigns. A parallel WordPress edition serves agency clients.
- **MK Website Auditor:** An automated website, SEO, and brand audit tool (muhammadkamil.com/audit) that crawls a site and produces a scored report with prioritized fixes.
- **MK Arcade:** A Pakistani card and board games built from scratch in the browser (muhammadkamil.com/arcade): Rung, Bhabhi, Ludo, Monopoly Lahore with custom Lahore-landmark artwork, Harry Potter Chess, Snooker, and word games, with Urdu typography and AI opponents.
- Personal time-tracking software for project and billing hours, and muhammadkamil.com itself, a custom PHP + Supabase platform with proposal generator, blog CMS, and self-hosted analytics.

## SELECTED CLIENT SOLUTIONS

---

- **MediFlow (medical billing automation):** A multi-tenant claims platform with drag-drop or watch-folder ingestion of claim documents, AI + OCR extraction of patient details, CPT / ICD-10 codes and charges, duplicate detection, full claim lifecycle from review to submission and acceptance with side-by-side verification, bulk actions, payer emails, and an audit timeline.
- **Livestock Management System:** A complete farm ERP built in PHP / MySQL for shared hosting. Animal profiles, health and vaccination records, feeding schedules, breeding management, Qurbani bookings, financials, staff and shed management, plus an integrated Gemini-powered AI assistant that answers questions from farm data.
- **Architect portfolio + 3D Walkthrough Studio:** An immersive website for an architecture practice where clients upload their own STL / OBJ / GLTF models and explore designs in first person (Three.js), with walk and orbit modes, WASD + sprint controls, compass, and FPS-optimized rendering in the browser.
- **Travel platforms:** A hotel booking platform (Next.js 14 + Hotelbeds API + live currency conversion) and a travel booking app (React Native / Expo + Supabase) with seat selection, booking flow, and Umrah packages.

## AI AUTOMATION & INTERNAL TOOLING

---

- **AI social-media post maker:** generates on-brand, platform-sized ad creatives (Instagram, Facebook) from product data with AI copywriting.
- **Shopify AI listing engine:** Gemini-powered pipeline that writes product descriptions, auto-matches tags, and publishes listings with variants via the Shopify Admin API.
- **Cold-outreach lead engine:** scrapes and validates business leads with AI verification (country, business-type, and contact filtering) into a clean CSV pipeline.
- **3D-print catalog and costing engine:** scans STL libraries (trimesh), slices via Bambu Studio CLI for print time and material cost, and outputs a formatted pricing catalog in Excel.
- **ReelBot:** desktop app automating end-to-end YouTube video creation and publishing (local LLM, Edge-TTS, MoviePy, FFmpeg, YouTube Data API with OAuth 2.0).
- **Products acquisition pipeline:** Playwright-based scraper with resume support, failure logging, and direct Shopify CSV export.

## EDUCATION

---

**Master's in Computer Sciences** — Pak-AIMS (Institute of Management Sciences), Lahore 2014 – 2017

**Bachelor of Arts** — Punjab University, Lahore 2014

## TECHNICAL STACK

---

**AI & Automation:** Claude, GPT, Gemini, Ollama · Claude Code, Cursor · n8n, Make · RAG pipelines, prompt engineering

**Development:** Python, PHP, JavaScript / TypeScript, Next.js, React Native, FastAPI, Supabase, MySQL, Shopify Liquid

**Commerce & Growth:** Shopify, WordPress / WooCommerce, Meta / Google / TikTok Ads, Google Analytics, technical SEO