

Istiack Mohammad

Senior Full-Stack Engineer — E-commerce, SaaS & Integrations

Bangladesh (UTC+6) · Open to remote roles with UK / EU / US-East overlap

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PROFESSIONAL SUMMARY

Senior full-stack engineer with 7 years of experience designing, building and operating production e-commerce and SaaS systems for clients in the United States, United Kingdom and Bangladesh. Owns delivery end to end, from architecture and implementation through deployment, monitoring and incident response, across Laravel/PHP, Node.js/TypeScript, Vue/React, MySQL and PostgreSQL. Strongest where product, data and operations meet: payments, logistics integrations, marketing attribution, database performance and application security. Rated 5.0/5 across 110 verified client reviews.

TECHNICAL SKILLS

Languages	PHP 8, TypeScript, JavaScript (Node.js), SQL, HTML/CSS
Backend	Laravel 12, Node.js 24, REST APIs, webhooks, queues & background workers, OAuth2 (Passport)
Frontend	Vue 2/3, React, Next.js (App Router), Tailwind CSS, Blade, Progressive Web Apps
Databases	MySQL 8 (query-plan analysis, indexing), PostgreSQL (row-level-security multi-tenancy), SQLite
DevOps	Linux (Ubuntu), nginx, Docker, pm2, Supervisor, VPS administration, backups & rehearsed rollbacks
Integrations	Stripe, PayPal, bKash, Meta Conversions API, Google Tag Manager, GA4, WhatsApp Cloud API, GoHighLevel, courier & dropshipping APIs
Security	Incident response, upload hardening, fraud & abuse prevention, rate limiting, GDPR consent-mode compliance
Practices	Automated testing, staged deployments, output-parity checks, AI-assisted development

PROFESSIONAL EXPERIENCE

Technology & Strategy Architect 2019 – Present
SwaggerBrand — digital marketing & automation agency, New Orleans, LA (swaggerbrand.com) · Remote

KeyHold Pro — multi-tenant home-inspection SaaS · Node.js, TypeScript, PostgreSQL, PWA

- Designed and built a platform that replaced a Texas inspection firm's third-party reporting product; in daily production use with **36 inspections, 3,100+ findings and 2,400+ photos** delivered to date.
- Evolved the single-client application into a SaaS product over 7 phases: **PostgreSQL row-level-security tenancy**, accounts and roles, billing, an admin console and an office review-and-delivery workflow.
- Protected production data by rehearsing every migration against a production backup before release; established **336 automated tests** and a 53-point output-parity check against legacy reports.
- Engineered deterministic report rendering from stored selections and non-destructive vector photo annotation, keeping original inspection evidence byte-identical.

Agency client work

- Lead technical delivery for the agency's US clients: an assessment widget feeding a **GoHighLevel webhook funnel** with personalized email and SMS recommendations, a lost-revenue calculator for booking-system sales, and technical SEO remediation and legal pages.
- Built a **Next.js 15** scroll-driven marketing site for a 3D virtual-tour company and diagnosed production front-end failures on client WordPress/Elementor sites (JavaScript crashes, responsive layout breakage).

Senior Software Engineer 2020 – Present
Orbitronix Technologies — software engineering studio · Remote

Multi-store e-commerce platform — Bangladesh & UK · Laravel 12, Vue, MySQL 8, nginx

- Lead development and operations for **five live online stores**, four on a shared Laravel/Vue codebase, covering checkout, inventory, returns, cash-on-delivery reconciliation, courier sync and staff admin tools.
- Resolved an **18.5-second admin page load** by using EXPLAIN ANALYZE to expose a NULL-safe join that bypassed an index (~1.1M row probes on a 4k-row table); fixed with a composite index.

- Built SMS infrastructure end to end: a custom **Android gateway app** with Laravel dispatch delivering transactional SMS in 3–6 seconds, plus phone-OTP login, rate-limited campaigns with opt-out, and **web push implemented to RFC 8291/8292**.
- Integrated two courier APIs, a cash-on-delivery ledger, a fraud-check panel and oversell protection; expanded the platform to the UK with Stripe checkout and AliExpress/CJ product-import pipelines.
- Led incident response: restored checkout after a **54-minute outage** and hardened the order transaction against recurrence; stopped a malicious fake-order campaign through device fingerprinting and edge blocking without disrupting 11 co-hosted sites.

Marketing measurement & privacy compliance — Meta Conversions API, GTM, GA4, Consent Mode

- Diagnosed a client's broken return-on-ad-spend reporting by reconciling store orders against Meta attribution day by day; traced it to **duplicate zero-value Purchase events** and restored accurate ROAS without code changes.
- Implemented server-side Conversions API with event deduplication, and consent-mode gating on two US medical-aesthetics websites, verified at **zero pre-consent tracking calls** and documented for legal counsel.

Additional engagements

- **Biometric attendance & payroll** (Node.js, MySQL): ingests face-recognition terminal punches over HTTP push, requiring no static IP or open ports, with device quarantine and idempotent ingestion.
- **Security audit** of a Laravel marketplace: found and quarantined two web shells uploaded via chat attachments, fixed the root cause and hardened all upload paths and nginx execution rules.
- **Freelance delivery on Fiverr**: WordPress/Elementor builds, Next.js deployments on VPS with nginx and Docker, and Laravel business applications; **5.0/5 rating across 110 reviews**.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science & Engineering

2020

Lovely Professional University, Punjab, India

PROJECTS, RESEARCH & TEACHING

- **ORBITRONIX AV-1**: 6-layer, 100×100 mm fixed-wing UAV avionics board integrating flight controller, Linux companion computer and LTE; schematic complete and ERC-clean, layout in progress.
- **GRBL CNC controller**: reverse-engineered from a single photograph to fabrication-ready Gerbers through a scripted KiCad pipeline, including a custom two-layer A* router.
- **Co-author, 73rd International Astronautical Congress (IAC 2022), Paris**: "Model Development and Validation of the Moon's Radiation Environment at the Surface and Subsurface" (IAC-22,A5,IPB,5,x67890), IAA Symposium on Human Exploration of the Solar System; GEANT4 Monte Carlo modeling of lunar radiation.
- **STEM Educator, Space Camp India**; designed and led hands-on workshops for students and hobbyists in UAV fabrication, quadcopter building, rocket propulsion, sugar-rocket motors and CanSat (can-sized satellite) design.