ZAHIDUL ISLAM

AI & Automation Engineer | Full Stack, Cloud | Monitoring & Security

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PROFESSIONAL SUMMARY

Software engineer building AI assistants, business automation, web applications and commerce systems. Client work spans content approval, lead follow-up, WordPress SEO automation, RAG development, accessibility remediation and security incident response. Combines application development with cloud configuration, testing and operational troubleshooting. Earlier physiotherapy experience provides additional context for healthcare and wellness projects.

TECHNICAL SKILLS

AI & automation: Retrieval-Augmented Generation (RAG), n8n, API integrations, structured outputs, Pinecone, LightRAG, Hermes Agent, OpenAI and Claude APIs.
Applications & commerce: Python, FastAPI, Flask, Node.js, React, TypeScript, PHP, WordPress, WooCommerce, Shopify, Liquid, Flutter.
Cloud & operations: AWS, Google Cloud, Azure, Docker, Kubernetes, Terraform, GitHub Actions, Linux, Nginx, Prometheus, Grafana.
Data & security: PostgreSQL, Supabase, Redis, SQLite, access controls, incident response, recovery, security scanning.
Agentic coding tools: Claude Code, Codex, Cline, Playwright MCP, isolated gVisor testing.

PROFESSIONAL EXPERIENCE — AUTOMATION

Fine Touch Marketing — AI Content & Approval Platform

Automation Engineer · Client engagement · 2026

- Built an n8n, Python and PHP workflow that moves approved client media through AI copy generation, client feedback, internal approval and packaging for manual publishing.
- Delivered an account-scoped campaign dashboard, protected media previews, background copy jobs and calendar review. Verified media-aware generation and approval through real client-facing flows.

Fine Touch Marketing — Multi-Site Lead Follow-Up

Automation Engineer · Client engagement · 2026

- Connected JotForm, n8n, Google Sheets and Twilio to capture leads, route each submission to the correct client site and coordinate welcome messages and scheduled follow-ups.
- Separated replies, scheduled follow-ups and broadcasts; added provider-acceptance checks, opt-out suppression and per-site failure handling. Acceptance is distinct from delivery.

Fine Touch Marketing — WordPress SEO Automation

WordPress / Automation Engineer · Client engagement · 2026

- Built a protected PHP interface and Python Flask job service for authorized WordPress metadata updates through REST and AIOSEO.
- Implemented exact page/post matching, structured AI generation, deterministic output repair and per-item reporting. Background jobs and status polling keep longer batches independent of one browser request.

PROFESSIONAL EXPERIENCE — AI, WEB & SECURITY

Yuktha Wellness — Multilingual RAG Assistant

Backend / AI Engineer · Client engagement · 2026

- Developed multilingual retrieval across six health-education domains using Pinecone, BGE-M3 embeddings, BM25 and cross-encoder reranking, with Node.js, Express and Redis.
- Separated query rewriting from answer generation; added structured responses, source-grounding checks, emergency routing and controlled fallbacks.
- Prevented generated answers from becoming personal-memory facts by restricting memory evidence to user-authored content. The assistant supports education and navigation, not clinical diagnosis.

JWALKER — WordPress Membership Knowledge Assistant

AI / Backend Engineer · Client engagement · 2026

- Built a FastAPI and SQLite knowledge assistant combining vector similarity with FTS5 search and Reciprocal Rank Fusion. A relevance gate refuses unsupported answers before generation.
- Implemented signed member tokens, source citations and atomic content synchronization. The public WordPress assistant was deployed in September; YouTube-grounded answers and daily refresh are recorded, while private membership-source acceptance remains open.

WordPress Incident Response & Recovery

Security / WordPress Engineer · Confidential client engagement · 2026

- Investigated a recurring, multi-layer compromise across a WordPress hosting estate using process inspection, request-triggered reproduction and persistence tracing.
- Contained confirmed artifacts with recoverable quarantine copies, repaired affected content and checked recurrence after real page requests and delayed rescans. Recorded public checks covered 21 sites; ongoing monitoring preserves visibility into recurrence.

Groza Learning Center — Accessibility & Consent Remediation

WordPress / Accessibility Engineer · Client engagement · Apr 2026

- Remediated WordPress/Elementor accessibility issues in alternative text, form labels, navigation, ARIA relationships and contrast using reversible PHP snippets.
- Implemented consent-controlled tracking and privacy-enhanced video embeds; checked that advertising requests remained blocked before consent. Delivered scoped remediation, not a blanket legal certification.

Abcker Technologies — WordPress Website Repair

WordPress Developer · Client engagement · Apr 2026

- Replaced template content with healthcare-IT service copy, repaired navigation and page metadata, and reduced installed plugins from 24 to 11.
- Configured SMTP and verified a delivery test; removed irrelevant template pages and corrected contact information and broken calls to action.

ADDITIONAL WEB & AUTOMATION PROJECTS

n8n Workflow Collection: Created pricing-research, lead-research and conditional alert-routing workflows using n8n, AI services and Google Sheets. Source code

Agency Website & Lead-Capture Workflows: Built an Elementor agency interface with Calendly scheduling, MetForm inquiries and Cloudflare Worker integration.

Clinic Service Website: Developed service pages, comparison imagery, pricing presentation and inquiry capture as an independent clinic-site design build.

Personal Engineering Portfolio: Built a configuration-driven React/TypeScript portfolio with filterable project case studies, media previews and linked engineering references. Source code

ENGINEERING PROJECTS — APPLICATIONS & COMMERCE

Chronos — Headless WordPress & WooCommerce

Full Stack Developer · Independent connected-commerce build · 2026 Source code

- Connected a React/TypeScript storefront to WordPress and WooCommerce for catalog, editorial content, customer login, order history and persistent contact intake.
- Verified hosted Stripe test checkout and CMS editing; the October 12 release recorded 222 browser checks and 101 frontend/backend file matches. A separate dependency repair cleared both full audits; live payments remain disabled.

Kindred Grove — Custom Shopify Theme

Shopify Developer · Independent development-store build · 2026 Source code

- Built and published a cinematic Liquid/Web Components storefront with native cart interactions, consent controls, a pantry quiz and seven native content pages.
- Recorded 55 browser passes, three catalog-dependent skips and 154 matching shipping files. Visitor password required; real transactions unavailable and source review for main pending.

MediConnect — Multi-Cloud Telehealth Engineering

Full Stack Engineer / Cloud Architect · Portfolio project · 2026 Source code

- Developed frontend and service foundations for patient, practitioner, appointment, communication and clinical-data workflows, with FHIR-oriented interoperability, consent, encryption and audit controls.
- Built AWS, Google Cloud, Azure, Terraform and Kubernetes delivery configuration. The recorded website release passed 676 unit tests and 77 browser cases; later RAG durability has scoped evidence, while browser privacy, full runtime and clinical acceptance remain open.

HealthCode Analysis — Native WordPress Publication

WordPress / Full Stack Developer · Independent editorial build · 2026 Source code

- Delivered a native WordPress/Elementor editorial site with search, a device-local reading list and six educational browser tools; retained the earlier Python/PHP automation toolkit.
- The native release recorded verified browser journeys, administrator editing and 141-file parity. Later documentation records 316 passing offline checks and an open AskMe test defect; educational content is not clinical guidance.

EquipCert AI — Equipment Inspection Application

Full Stack / Mobile Developer · Portfolio project · 2026 Source code

- Developed Next.js and Flutter inspection surfaces with Supabase-backed records, offline evidence capture, optional AI assistance, signature capture and PDF reporting.
- Restored service and database keepalive; October 14 verification passed 104 web unit tests, seven production probes and three dependency checks. Authenticated inspection and regulatory acceptance remain separate gates.

Everyday Dental — Independent Clinic Website Build

Full Stack Developer · Portfolio project · 2026 Source code

- Built a bilingual React clinic website with a sample patient journey, privacy controls, role-based access-denial examples and FHIR-shaped export.
- Isolated the public sample-data release and disabled all 11 historical backend function endpoints. Preserved the Supabase backend for technical review; the release does not process real patient care.

RegenAI — Shopify Commerce & AI Support

Full Stack / AI Engineer · Independent build · 2026 Source code

- Connected a 3D Hydrogen storefront to six Shopify sample products; added a Python support studio with encrypted memory, image understanding and versioned human approval.
- The recorded release passed 86 Python and 184 JavaScript tests with one skip. Shopify/Gmail connection checks are dated; external refunds, outbound email, checkout and customer sign-in remain disabled.

ENGINEERING PROJECTS — AI & DEVELOPER TOOLS

VitalProbe — Healthcare AI Safety Testing

Creator / Python Engineer · Published website and local engine · 2026 Source code

- Built a Python CLI and local dashboard that exercise chatbots, RAG systems and agents with test patient scenarios, REST/MCP adapters and deterministic or optional semantic checks.
- Published a product website and local HTML/JSON audit engine; recorded 190 Python and 39 frontend tests. Clinical/legal calibration remains open.

RAG Production Stack — Infrastructure Reference

AI Infrastructure / DevOps Engineer · Open-source reference · 2026 Source code

- Authored a Docker Compose reference with nine core and 14 optional services, including LightRAG, Nginx, Authelia, Prometheus, Grafana, Loki and Jaeger.
- Defined health checks, alert rules, encrypted backups and restore-verification workflows. Network connectivity, telemetry and provider integration still require runtime validation.

VoiceBridge — Voice-Agent Business Platform

Full Stack / AI Engineer · Independent project · 2026 Source code

- Built a deployed operator console and backend with grounded knowledge, scoped Retell/Vapi and MCP tools, confirmed bookings and a leased follow-up worker.
- Verified scoped owner exports, exact-call recovery and denial audits; October 15 gates recorded 252 backend checks and 108 frontend tests. Real voice/audio acceptance remains open.

Agentic Development Environment

Developer Tooling Engineer · Independent engineering · 2026

- Built project-aware launchers, provider selection, restart checkpoints and a custom career-knowledge MCP backed by SQLite FTS5.
- Built typed MCP retrieval and project-scoped recovery; October 14 evidence records eight index tests and 37 switcher tests. Cross-provider transcript resume remains unverified.

Fleetwright — Browser Fleet Orchestration

Python / Automation Engineer · Independent project · 2026 Source code

- Delivered scoped MCP/browser workflows, a durable catalogue crawler and a standalone SQLite/Ollama agent with human approval, fencing and receipt-based recovery.
- The October 15 release recorded 289 passes and six accounted skips, 146 matching artifacts and encrypted two-database restoration. Public MCP approval/revocation and supervised recovery were exercised; large-scale capacity remains unproven.

AdRevora AI: Deployed an MFA-protected revenue workspace with approvals, exports and private CPU inference; 120 application/56 deployment tests and encrypted recovery verified. Company activation remains open. Source

Additional tooling: Experimental Secure Hybrid AI Hub with test-data verification; EmailFinder public-signal CLI, without SMTP probing.

RECENT CLIENT PREPARATION & AI PLATFORMS

Playwright MCP + Cline — Windows Browser Integration

Automation / Developer Tooling Engineer · Client preparation · Oct 2026

- Integrated Microsoft's Playwright MCP with an existing Windows Cline setup, retaining human review of browser actions and preserving the configured provider.
- Verified two local GUI workflows with five assertions each, actual editor restarts and configuration recovery; corrected screenshot placement. Client installation and acceptance remain pending.

VeriCommerce AI — Evidence-Grounded Commerce

Full Stack / AI Engineer · Independent project · 2026 Source code

- Built persistent account workspaces with PostgreSQL role isolation, versioned catalog/document ingestion, hybrid CPU retrieval, cited quotations and durable draft jobs.
- Deployed current-source approval and provenance export; the live release recorded 46 browser passes and 228 matching artifacts. Shopify access is read-products-only; publishing remains future work.

PraxisForge AI — Durable Agent Operations

Full Stack / AI Engineer · Independent project · 2026 Source code

- Built a Hermes-powered coordinator, researcher and operator workflow with PostgreSQL task ownership, source-linked drafts, exact human approval and internal receipts.
- Verified live completion after worker interruption and encrypted off-host restoration. The owner-managed release records internal commitments; external email/CRM delivery remains gated.

SynqHarbor AI — Controlled AI Delivery

Full Stack / AI Engineer · Independent project · 2026 Source code

- Deployed a Next.js/FastAPI application with PostgreSQL workspaces, separate builder/reviewer contexts, immutable artifacts and distinct client/developer approvals.
- Verified local-model drafting and bounded Python coding through HTTPS, protected gVisor tests, approved Git delivery and encrypted restore. Enrollment is operator-managed; broader customer qualification remains open.

EDUCATION & EARLIER EXPERIENCE

Physiotherapy Technologist | SPKS Medical Institute, Dhaka | 2017–2021
Patient assessment, treatment planning and musculoskeletal rehabilitation.

Diploma in Physiotherapy Technology | SPKS Medical Institute | 2017

LANGUAGES & AVAILABILITY

Bengali: Native | English: Working proficiency
Remote contract, freelance and full-time opportunities.

I do not accept work involving interest-based finance (Riba), conventional insurance, gambling, adult content or any Haram activity.