ANIMA DAS

AI AUTOMATION ENGINEER & SYSTEMS ARCHITECT

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anima-das-website.vercel.app

CORE STRENGTHS

- n8n Workflow Architecture
- Autonomous AI Orchestration
- Stateful Workflow Design
- B2B Lead Enrichment
- Human-in-the-Loop Governance
- API & CRM Integration
- AI Voice & Chat Agents
- Data Validation
- Idempotency & Duplicate Control
- Failure Recovery & Auditability

TECHNICAL STACK

AI & LLM
OpenAI GPT-4, Google Gemini, Ollama (local LLMs), VEO 3, Prompt Engineering

AUTOMATION
n8n, Make.com, Zapier, Webhooks, REST APIs

DEV & DATA
JavaScript (ES6), Python, JSON, Regex, SQL, PostgreSQL, NoSQL

CRM & SYSTEMS
HubSpot, GoHighLevel, Google Sheets

INTEGRATIONS & TOOLS
Telegram Bot API, Gmail API, ZeroBounce API, Messenger, Serper, Git/GitHub, Replit

EDUCATION

B.Sc. in Computer Science & Engineering
Shahjalal Univ. of Science & Technology (SUST)
Feb 2005 - Jul 2009

PRINCIPLES

- Validate before action.
- Human review for consequential decisions.
- Explicit, recoverable failure paths.
- Preserve state; prevent duplicate actions.
- Keep credentials out of exports.

PROFILE

AI Automation Engineer and Systems Architect with 50+ client workflows delivered across n8n, Make.com, and Zapier. Builds stateful, PostgreSQL-backed n8n automation with signed webhooks, idempotent execution, validated AI output, and human approval gates for lead research and outreach, AI voice and chat support, and brand-reputation defense. Clients report substantial weekly time savings. Sylhet, Bangladesh; open to full-time remote roles.

FEATURED SYSTEM

B2B Lead Research & Cold Outreach Automation System

N8N | GOOGLE GEMINI | ZEROBOUNCE API | TELEGRAM HITL | GMAIL API | GOOGLE SHEETS CRM

End-to-end pipeline from Google Sheets intake and validation through company research, Gemini prospect analysis and evidence-grounded drafts. ZeroBounce checks deliverability; Telegram human approval, single-use tokens and a final send gate govern Gmail delivery, with confidence-based review, controlled follow-up and reply/opt-out handling.

SELECTED ENGINEERING PROJECTS

Autonomous Outreach Intelligence & Campaign Orchestrator

N8N | POSTGRESQL | JAVASCRIPT | REST APIS

- Stateful orchestration: 40-node workflow with PostgreSQL-backed lifecycle management across 16 lead states and 54 legal transitions, so every lead follows a permitted path.
- Controlled execution: evidence-aware drafting with claim verification and human review; layered send gates, idempotency and audit events guard each send, with reconciliation of uncertain provider outcomes.

AI Customer Support & Voice Agent Backend

N8N | POSTGRESQL | WEBHOOKS | HMAC-SHA256

- Secure orchestration: 40-node webhook backend that normalizes voice-agent payloads and routes five support actions through one structured JSON response.
- Duplicate-action prevention: request validation, HMAC-SHA256 checks, and PostgreSQL idempotency with fingerprinting block duplicate or unverified requests; knowledge-grounded checks validate AI responses.

AI Social-Media & Brand Reputation Defense Engine

N8N | POSTGRESQL | EVENT PROCESSING | POLICY CONTROLS

- Security-first intake: four webhook entry points protected by HMAC-SHA256 validation, replay protection and tenant-scoped policy enforcement in a 36-node workflow.
- Governed actions: deterministic fallback, kill switch, action idempotency, durable human review and PostgreSQL audit records keep automated actions controlled and traceable.

Also built: Messenger support and lead-gen bot (n8n, OpenAI); generative AI video pipeline (VEO 3, auto-publishing to TikTok, Instagram, YouTube); local lead intelligence (Serper Maps, Ollama).

AI & AUTOMATION EXPERTISE

- LLM and agent engineering: prompt design, schema-validated JSON output, evidence-grounded generation, claim verification, confidence scoring and local models (Ollama); autonomous agents with bounded execution, policy controls and human approval gates.
- Process automation: map repetitive work, bottlenecks and exception paths, then orchestrate APIs, webhooks, CRMs, email, messaging, spreadsheets and calendars; voice and chat agents with intent routing and human handoff.

RELIABILITY & SECURITY ENGINEERING

- Trust and duplicate control: HMAC-SHA256 signing, replay protection and tenant-scoped policy enforcement secure webhook intake; idempotency keys, fingerprinting and explicit lifecycle states prevent duplicate actions.
- Recoverability: deterministic fallbacks, controlled retries, kill switch, PostgreSQL audit events and reconciliation of uncertain provider outcomes, so failures stay visible and nothing is silently repeated.

PROFESSIONAL EXPERIENCE

AI Automation Engineer & Systems Architect — 2022 - Present

Self-Employed / Remote Client Consultant

- Delivery record: Designed, built, tested, and delivered 50+ client automation workflows across n8n, Make.com, and Zapier for lead research, outreach, support, and operations. Clients have shared positive feedback and reported substantial weekly time savings and less repetitive manual work; larger n8n systems span 36–40 nodes.
- Workflow engineering: built multi-branch, stateful systems with JSON transformation, validation, duplicate prevention, fallbacks, retries and explicit error paths.
- API and CRM integration: connected AI providers, Gmail, Telegram, Google Sheets, ZeroBounce, HubSpot, GoHighLevel and PostgreSQL through APIs and webhooks.
- Setup and handover: delivered credential-free exports with documented setup, placeholders, test scenarios and maintenance notes; clients activate workflows with their own API keys.