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Portfolio: <https://michaelowusu.com> | GitHub: <https://github.com/mirasolutions06>

PROFILE

AI Automation Developer building practical AI systems from idea to production. I build agents, automation tools and full-stack AI apps that turn messy workflows into usable software. Recent work includes lead response, doc-to-action workflows, self-hosted agents, approval-gated content and AI product photography. I own product flow, APIs, AI integration, deployment, safety controls and iteration.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Go, SQL

AI Systems: Claude API, OpenAI, Gemini, MCP, RAG, tool calling, prompt/version workflows, model routing

AI Development Tools: Claude Code, Codex

Backend & Apps: Next.js, React, FastAPI, Node.js, REST APIs, webhooks, Prisma, Supabase Postgres

Automation: n8n, Telegram Bot API, Google APIs, Notion API, Resend, Playwright

Infrastructure: Docker, AWS Lightsail, Linux, nginx, Cloudflare, systemd, GitHub Actions

EXPERIENCE

Freelance AI Automation Developer

Mira Solutions, London | Jan 2026 - Present

Build full-stack AI applications, automation systems and internal tools for practical business workflows.

- Own the full build across product flow, UI, APIs, data models, AI integration, workflow automation, deployment and iteration.
- Build AI systems with human approval, persistent state, observability, evals, model routing, cost tracking and integration-ready architecture.
- Ship systems across customer operations, lead response, document processing, agent tooling, content automation and AI image generation.
- Work mainly with TypeScript, Python, Next.js, FastAPI, Prisma, Supabase, n8n, MCP, Docker, AWS Lightsail and Cloudflare.

RECENT ENGINEERING PROJECTS

AI Lead Response & Booking Center

AI receptionist and booking dashboard for small service businesses.

- Built a Next.js/TypeScript app where inbound leads are extracted, scored, qualified and drafted into follow-up replies.
- Added human approval, CRM pipeline state, booking slots, appointment records, audit logs, Prisma/Supabase persistence and Zod validation.

AI Document-To-Action Pipeline

AI workbench for turning documents into reviewed, exportable tasks.

- Built document intake for pasted text and uploaded files, with extraction into decisions, risks, questions and action items.
- Added evidence-backed outputs, approval gates, Notion/Slack exports, Clerk/RBAC, Prisma/Postgres persistence, evals and Playwright smoke checks.

AI Agent Platform

Self-hosted operations agent with typed tools, persistent memory and scheduled operating loops.

- Built FastMCP server exposing 24 tools for vault search, tasks, calendar context, voice-note routing, multimodal tools and database inspection.
- Implemented SQLite state, markdown vault memory, semantic search, scheduled routines, FastAPI dashboard and safety boundaries.

Approval-Gated Content Automation Platform

Content automation system with human-controlled publishing.

- Built a Python conductor that ranks content ideas, drafts captions, sources verified images, prepares graphics and sends Telegram previews.
- Added approval/edit/cancel paths, persistent draft state, async media processing, deterministic graphics, provider fallbacks and offline tests.

AI Product Photography Engine

AI product photography engine with CLI, local studio and quality-control loop.

Live product: <https://miracontent.studio>

- Built a strict TypeScript generation engine with prompt linting, model routing, cost tracking, caching, versioned outputs and brand memory.

- Added local studio flows for brief editing, enrichment, live run streaming, winner selection, campaign review and reusable scene bundles.

PREVIOUS EXPERIENCE

Founder & Operations Manager

MIRA Properties, London | Jan 2023 - 2026

- Built and operated a short-let property business end to end across pricing, guest acquisition, supplier coordination, maintenance and day-to-day operations.
- Maintained 4.8-star guest rating and 77% average occupancy, while using n8n and Claude workflows to reduce manual guest communication by 5+ hours per week.

Internal Operations Associate

Datto, Hammersmith | Jun 2022 - Nov 2022

- Delivered 200+ Windows/macOS support tickets per month across walk-up, phone and remote channels.
- Supported migration of 500+ users from Google Workspace to Microsoft 365 and led onboarding support for 20+ new starters per month.

Business Operations

Motherland Organics, London | May 2021 - May 2022

- Supported multi-channel e-commerce operations across Shopify, Amazon and social commerce, covering fulfilment, inventory and customer communications.
- Improved operating processes and day-to-day workflow visibility, contributing to around 20% revenue growth.

Assessment Operations Administrator

AAT, Barbican | Feb 2019 - Apr 2021

- Managed 250 student appeals per month in a regulated, GDPR-sensitive environment requiring accuracy, auditability and clear process control.
- Coordinated markers across 20+ assessments and helped improve operational policies using workflow and performance data.

EDUCATION

BA (Hons) Business Studies, 2:1 | University of Greenwich
