

UCHE BUZUGBE

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PROFESSIONAL SUMMARY

AI & Automation Specialist with 3+ years of experience designing and deploying workflow automation, AI-driven pipelines, and data integration solutions for clients across healthcare, fintech, and enterprise sectors. Skilled in n8n workflow orchestration, Python, JavaScript, and SQL for scalable automation and reporting. Experienced in integrating REST APIs, webhooks, and AI models to optimize business processes. Strong track record in translating client requirements into production-grade automation and AI solutions while maintaining high-quality standards and ensuring measurable operational efficiency. Adept at client collaboration, process mapping, and driving practical AI adoption in real-world business environments.

TECHNICAL SKILLS

Automation & Workflow Platforms

n8n, Zapier, Make, Workflow Orchestration, Webhook Integration

Programming & Scripting

Python, JavaScript, TypeScript, SQL, Data Transformation, REST APIs, OAuth Flows

AI & Machine Learning

LLM Integration (OpenAI, Anthropic, Google Gemini), NLP Pipelines, ML Model Deployment, Predictive Analytics

Data & Databases

PostgreSQL, MySQL, MongoDB, Relational Database Design, ETL Pipelines, Data Cleaning

DevOps & Cloud

Docker, Linux Administration, AWS, GCP, Azure, CI/CD Principles

Business & Process Skills

Process Mapping, Automation Strategy, Client-Facing Solution Delivery, Technical Documentation, KPI Dashboards, Internal Tool Development

PROFESSIONAL EXPERIENCE

AI/Data Engineer | Analytics Intelligence | Hybrid (United Kingdom)

Nov 2023 – Jan 2026

- Developed and deployed production-grade automation workflows using n8n, integrating multiple client CRMs and payment systems via REST APIs to streamline lead and invoice processing for UK SMBs.
- Designed Python and SQL scripts to extract, transform, and load client data into internal dashboards, providing real-time operational insights and reducing manual reporting by 80%.
- Collaborated with clients to map existing manual processes, identify high-impact automation opportunities, and implement AI-powered decision logic for workflow optimization.
- Built internal monitoring tools and alerting systems to ensure automated pipelines ran reliably, leveraging Docker and Linux-based cloud environments for deployment.
- Conducted quality assurance and performance testing for automation workflows, ensuring error-free execution and maintaining security-by-design principles.
- Integrated LLM-based AI modules into client workflows to generate personalized customer communications, reducing manual follow-up effort.
- Provided training and technical documentation to client teams, enabling adoption of AI-powered tools with minimal support.

Senior AI/Data Engineer | Cara Medical | Remote, Contract (United States)

Jul 2025 – Jan 2026

- Architected and implemented AI-driven automation pipelines for medical operations, including patient data validation, report generation, and workflow optimization.
- Developed n8n and Python-based integrations with electronic health record systems and third-party APIs, ensuring secure and compliant data handling.
- Built SQL-based dashboards for tracking operational KPIs and identifying bottlenecks, improving reporting efficiency across multiple departments.

- Collaborated with remote teams and stakeholders to design process maps, translating complex medical data workflows into automated solutions.
- Implemented error handling and logging systems in automation workflows to maintain system reliability and client trust.
- Assisted in the integration of NLP models for automatic summarization of patient reports and data entry tasks, enhancing staff productivity.

Applied Machine Learning Engineer | Wakapadi | Remote (Nigeria)

Jan 2020 – Mar 2023

- Developed ML pipelines for predictive analytics in e-commerce, including customer churn prediction and personalized recommendation systems using Python and SQL.
- Built internal reporting dashboards to visualize transaction trends and campaign performance, enabling data-driven business decisions.
- Implemented ETL pipelines to aggregate data from multiple sources (APIs, databases, and CSVs), ensuring consistent and clean datasets for analytics.
- Collaborated with product and engineering teams to deploy ML models into production with automated retraining workflows.
- Conducted performance evaluation and tuning of ML models, ensuring high accuracy and scalability.
- Created scripts to automate data preprocessing and transformation tasks, reducing manual workload across the analytics team.

EDUCATION

BACHELOR OF SCIENCE | University of Benin

Sep 2015 - Dec 2019

MASTER'S DEGREE | University of Wolverhampton

Mar 2023 - Jul 2024