

RHANNY BELLE URBIS
AI Automation Engineer / Backend Engineer

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Professional Summary

AI Automation & Backend Engineer specializing in n8n-based production workflows, ETL pipelines, and API-driven systems. Strong experience designing reliable automations using n8n, Python, FastAPI, and databases, with a focus on observability, retries, idempotency, and secure integrations. With 10+ years in NGO research and analytics.

Work Experience

AI Automation Engineer

PopAI Technologies

August 2025-Present

- Design and maintain production n8n workflows using webhooks, databases, AI agents, HTTP nodes, code nodes, IF/Switch logic, error triggers, and retry strategies
- Build event-driven n8n pipelines integrated with Langchain agents, FastAPI services, PostgreSQL/Supabase, CRMs, Slack, Telegram, Google Workspace, voice, search APIs and other third-party APIs
- Design ETL-based automated reporting and FastAPI apps with AI and third-party integration (Google Workspace, AWS S3, Zendesk, search APIs, voice APIs)
- Implements monitoring, failure handling, and notification workflows for long-running and async processes.
- Collaborates with project managers, frontend, QA and users to ensure requirements for user-centric functionalities.
- Creates agent documentation, QA guides and conducts API testing to ensure optimum agent performance

Team Lead / AI Specialist

Behavior Education Services Team (BEST)

March 2025 – August 2025

- Led process improvements, automated workflow development and AI solutions that increased productivity in Global HR and BA Recruitment departments at 50%
- Led the design and development of an automated OCR/info extraction app for tenant application forms to create faster and automated application processing for its sister company, Evercrest Homes
- Designed and created training materials and conducted AI training for different departments and teams to achieve 86% business AI-fluency

Remote Placement Specialist / Data Analyst

Talents2Germany

August 2024 to March 2025

- Automated HR, recruitment, and reporting workflows using Python, Appscript and APIs.
- Reduced manual steps via scheduled, webhook-based, and conditional workflows
- Increased team productivity by 50% through automation of candidate job application updates and FAQ chatbot development
- Designed and developed automated data analysis and predictive data analysis to help formulate business strategies and decision-making

Campaigns, Advocacy, and Networking Staff for Ilocos Region

Katinnulong Dagiti Umili iti Amianan, Inc.

October 2010 to May 2020

- Led 30+ comprehensive research and automated data analysis projects that supported the organization's funding efforts.

Education

University of Northern Philippines
Bachelor of Science in Computer Science

Technical Skills

- **Automation & Orchestration**
JavaScript, n8n, Make, Zapier, Webhooks, event-driven workflows
- **Backend & APIs**
Python, FastAPI, REST APIs, async processing
- **Databases & Vector Storage**
PostgreSQL, Supabase, SQLite, pgvector, Milvus
- **AI / LLM / Speech**
LangChain, LangGraph, RAG, OpenRouter, Whisper, ElevenLabs Scribe, Tavus, Recall.ai, LiveKit
- **Search & External Data**
Tavily, Exa, DuckDuckGo API
- **ETL, File & Data Processing**
pandas, JSON, YAML, OpenPyXL, CSV, Markdown, HTML, PDF processing, OCR, Jinja2
- **Data Analysis & Visualization**
R, Python, SQL, Excel, Tableau, Power BI
- **Dev Tools, Deployment & Integrations**
Git, GitHub, Postman, Docker, Render, Vercel, Slack, Telegram, HubSpot, Zoho CRM, Zoho Recruit, Zendesk, Google Workspace
- **Full-Stack Development**
FastAPI, Supabase, Upstash, Redis, TypeScript, Next.js, React, Vite

Core Skills

- Automation workflow design and orchestration
- API-driven ETL pipelines
- Predictive Data Analysis
- Data Analysis & Visualization
- Database Design & Data Management
- Event-based and async system design
- AI agent and multi-step workflow development
- Data validation, normalization, and enrichment
- Error handling, retries, rate limits, concurrency/semaphore
- Secure API integration
- Documentation, QA support, and handoff readiness