

JAZZMIN SICAT-CABIZARES

AI Automation Engineer & Backend Developer

jazzmincabizares@gmail.com | 09389036717 (WhatsApp) | GMA, Cavite, Philippines | github.com/CabzuJaz | LinkedIn

PROFESSIONAL SUMMARY

AI Automation Engineer and backend developer with 2+ years building automation systems, data pipelines, and AI-powered tools. Completed a 30-day Claude API engineering sprint shipping production-grade multi-agent systems — including a full-stack STR Lead Research Agent with real-time SSE streaming, SQLite, Google Sheets sync, and Flask API. Experienced connecting APIs, databases, and automation platforms (n8n, Claude API, Google APIs, MCP). Strong problem-solver who takes an idea and ships a working system. Available for remote full-time work with U.S. companies.

TECHNICAL SKILLS

AI & Automation	Claude API (tool use, multi-agent, prompt engineering), n8n, MCP (FastMCP), Server-Sent Events (SSE), DuckDuckGo search integration
Languages	Python 3.11, C#, VB.NET, JavaScript (Node.js), SQL
APIs & Integrations	REST APIs, Google Sheets API, Google Drive API, OpenWeatherMap API, Microsoft Graph API (Outlook), Anthropic API
Backend & Data	Flask, SQLite, MS Access, CSV/Excel processing, BeautifulSoup, web scraping, regex
Platforms & Tools	Git/GitHub, n8n, Google Workspace, MS Office, .NET Framework, PReS/Nipson printing

AI ENGINEERING PROJECTS

STR Lead Research Agent — Capstone (30-Day Claude Sprint)

Python · Claude API · Flask · SQLite · Google Sheets · SSE · n8n · BeautifulSoup

- Built a full multi-agent pipeline: Orchestrator, Search Agent, and Enrich Agent running in coordination via the Claude API with tool use
- Search Agent uses DuckDuckGo tool call to find STR property management companies by location and returns structured JSON
- Enrich Agent extracts emails, phones, and social media using 4 strategies: mailto:/tel: href scan, regex on full page text, HTML entity decoding (@), and deterministic contact page fallback
- Outputs deduplicated to SQLite and synced to Google Sheets in real time via gspread
- Flask frontend with live activity log powered by Server-Sent Events (SSE) — every agent step streams to the browser
- Implemented config.py, input sanitization, XSS prevention, error handlers, and env-controlled debug mode
- Cost: ~\$0.007 per run using Claude Haiku; architecture supports Apollo API + n8n outreach integration

AI Email Triage System

n8n · Claude Haiku · Outlook / Gmail

- Built an n8n workflow where Claude Haiku classifies incoming emails by urgency and intent, routes to folders, and drafts responses automatically
- Integrated with Outlook via Microsoft Graph API nodes in n8n
- Tightened classification prompts after edge cases caused misroutes — made categories mutually exclusive

Multi-Agent Orchestrator Pipeline

Python · Claude API · Tool Use

- Orchestrator agent breaks research tasks into subtasks and delegates to specialized subagents
- Implemented output summarization between agents to prevent token bloat across multi-step pipelines
- All agents capped at for _ in range(3) loops — preventing runaway API cost from uncapped tool-use cycles

MCP Server + SQLite Integration

Python · FastMCP · SQLite · n8n

- Built a FastMCP server exposing SQLite tools to Claude — enabling natural language database queries

- Connected MCP server to n8n and Flask API bridge for end-to-end workflow automation
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WORK EXPERIENCE

Junior Software Engineer · Xytron Int. Inc.

2023 – 2025

- Built desktop automation tools for data capture, processing, and database integration (SQL, Access, SQLite)
- Automated document generation — populated Word/PDF templates and exported outputs for high-volume printing
- Developed print programs using PReS language for Nipson high-speed printing systems
- Maintained and enhanced legacy C#/NET applications; processed bank SOAs with 100% accuracy
- Handled structured data workflows: CSV, Excel, SQL import/export, and report generation

Kitchen Team Leader · Seven-Eleven Corp.

2021 – 2023

- Managed team operations: staffing, payroll, supply forecasting, and monthly reporting

IT Admin Intern · Greenergy Inc.

2022

- Handled network setup, hardware support, PC configuration, and invoice processing
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EDUCATION

Bachelor of Science in Computer Engineering

Cavite State University — Carmona Campus · 2018 – 2023

CONTINUOUS LEARNING

30-Day Claude AI Engineering Sprint (2025) — Self-directed sprint building 30 AI projects in 30 days: Claude API fundamentals, tool use, MCP servers, multi-agent pipelines, n8n integrations, and a full-stack capstone. All projects documented and shipped to GitHub.

GitHub: github.com/CabzuJaz/claude-hello-world