

TERRY BENJAMIN JR

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SUMMARY

Software Engineer focused on automation, backend systems, APIs, and applied AI, turning manual workflows into reliable systems.

TECHNICAL SKILLS

C, Java, Python, JavaScript/TypeScript, Git, GraphQL, SQL, HTML, CSS, Make, n8n, REST API Design, OAuth2, JSON, Pandas, Regex, Webhooks, Docker, Flask, Operating Systems, Microservices, Backend, App Development, Agile, Automation, ML/AI, FAISS, Milvus, LangChain, RAPIDS, GPU Acceleration, FastAPI, Web3, Pytest, SQLAlchemy, PostgreSQL, Hardhat, Solidity, Ethers.js, React, Next.js, Tailwind CSS, Supabase, Playwright, Pydantic, Vite, OpenAI API, PyTorch / Hugging Face Transformers, AI Integration, Generative AI, Data Processing, Data Pipelines, Workflow Automation, API Development, Web Scraping, Testing, Cloud Hosting, Operational Infrastructure

WORK EXPERIENCE

Confidential Caribbean Healthcare Platform | Lead Software Engineer 02/2026 - 07/2026

- Spearheaded end-to-end product development as the sole engineer, translating ambiguous stakeholder requirements into a deployment-ready multi-stack web and mobile application roadmap for a two-sided medical tourism platform.
- Managed the full software lifecycle from initial design through deployment preparation, independently handling backend API development, frontend delivery, testing, workflow design, and cloud hosting.
- Defined the platform's core workflow across patient, provider, and admin roles, including intake, matching, messaging, document controls, and curated quote handling for a web-first MVP.

Caribbean Agency for Justice Solutions (CAJS) | Software Engineer (Contract) 07/2026 - Present

- Supporting technical discovery and automation planning for Cortex, Attache, and Folio by documenting application architecture, mapping workflows, and establishing reusable k6 and Playwright test baselines.

Antigua and Barbuda Treasury | Software Engineer (Contract) 06/2025 - 05/2026

- Engineered and deployed a standalone Windows executable (.exe) for multi-format bank statement reconciliation, reducing a multi-month manual effort for an 8-person accounting team to an automated, under-10-minute workflow.
- Processed and formatted 84 monthly bank statements spanning 4 government accounts and 4 fiscal years, eliminating human data-entry errors and bypassing the need for developer intervention.
- Automated the generation of 9 annual Treasury financial report types by building a reusable data pipeline that ingests raw free balance reports, clearing severe historical reporting backlogs.
- Designed and sandbox-validated a programmatic Treasury shared-drive architecture, automatically deploying a 265-folder target structure across 8 operational units with zero validation errors.

Regional Engineering & Infrastructure Consultancy | Software Engineer, Automation & Data Systems 05/2025 - 07/2026

- Architected and deployed a Railway-hosted expense intelligence platform integrating monday.com, Expensify, internal travel logs, and fee sheets; migrated 60 project records and 87 employee rollups into a multifaceted production dashboard.
- Built project- and employee-level reporting for actual-versus-estimate status, category and date breakdowns, signed PDF reports, and scheduled reconciliation, giving operations one view across corporate and internal travel spend.
- Hardened production syncs with deterministic matching, idempotent writes, stateful locking, replay-safe recovery, and overlapping-run suppression; passed an audited 231-test regression suite.
- Processed 2,406 expense rows and resolved all 1,940 project-coded transactions into 28 project summaries with zero ambiguous matches; built fee-sheet extraction across varied Excel workbooks while rejecting purchase orders and low-confidence results.

Flow (Cable and Wireless) | Data Analysis and Marketing Intern 05/2022 - 12/2024

- Built an internal decision-support tool that made package recommendations faster and more consistent for sales staff while supporting business analysis.

EDUCATION

The University of the West Indies, Five Islands Campus | B.S. Computer Science 01/2023 - 05/2026

GPA: 3.87/4.3 | ACB Louis Lockhart Scholar (2025)

Island Academy, Antigua | IB Diploma

Completed | GPA: 3.46/4.00

Antigua Grammar School | CSEC Gold Awardee (12 subjects)

Completed | GPA: 3.7/4.00

CERTIFICATIONS

NVIDIA: CUDA Python | Accelerated Data Science | Building RAG Agents with LLMs

PROJECTS

Production-Style RAG Agent - Built a Dockerized RAG system with vector search, grounded Q&A, and evaluation loops.

AI Outreach Operator Console - Built a FastAPI/SQLAlchemy outreach platform with lead ingestion, website enrichment, review-first draft approval, and 28 passing tests.

Polymarket Research Platform - Built a self-hosted Python platform for trader research, strategy fingerprinting, dashboarding, and risk-aware live or paper execution.

Real-Time Personalized Image Captioning - Developed a BLIP-based captioning app with facial recognition for context-aware scene descriptions.

Upgradeable Ethereum Vesting Dashboard - Built a React, Solidity, and Hardhat Web3 app for funding, tracking, and releasing vested ETH via MetaMask, with upgrade-safe contract controls and 8 tests.