

Marco Angelo G. Mojica

AI Engineer | Full-Stack Development & Automation

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PROFILE

AI engineer building multi-agent systems for decision intelligence. Dashboards show what happened; these systems work out what to do next and hand it to the person who decides. Cut monthly reporting from three days to 30 minutes per brand and built a Claude Code plugin for ticket-to-deployment engineering workflows.

EXPERIENCE

2026 to present

eBoost / Principle

Principle Data Platform
Engineering

AI Engineer

Built the Eboost Creative Operations and Intelligence Platform. Owned the UI, PDF reports, approval workflow, and AI investigation architecture; collaborated on backend and advertising data pipelines.

- Reduced monthly report preparation from three days to 30 minutes per brand with Creative Audit, which retrieves BigQuery results and drafts AI analysis for human review. Onboarded eight brands.
- Built client ad approvals with decision records and email notifications; imported and verified 1,225 historical ads for a client handling 25 to 35 new ads per month.
- Cached initial creative analyses for reuse across audits, reducing repeated video analysis and token usage. Campaign managers used the recommendations to plan future creatives.
- Built Software Factory, a Claude Code plugin connecting Asana tickets to isolated Git worktrees, headless builders, independent review, CI gates, deployment verification, and ticket closure.
- Implemented AI investigation architecture using LangChain for model interactions and retrieval, and LangGraph to coordinate a supervisor, performance analyst, creative analyst, and evidence reviewer.
- Used Claude/OpenAI APIs, function calling, MCP tools, and brand-context RAG. Built evaluations of numbers, citations, brand fit, output quality, failure rates, latency, and cost, with human approval of reports.
- Built the interface with React, Next.js, and TypeScript. Checked staging deployments on Vercel and Cloud Run with Neon; deployed approvals in Docker on a Hostinger VPS.
- Tracked usage with PostHog and monitored logs, health checks, uptime, and failure alerts. Tuned model cost, response time, validation, caching, timeouts, and notification timing.

2024 to 2026

Ally Techno Grit Solutions

ATGS Corporation

Software Engineer

Built accounting and ERP software for Philippine businesses, working directly with clients, accountants, bookkeepers, and directors.

- Built and maintained AccuBooks, a production multi-tenant cloud accounting platform.
- Implemented PayMongo subscription billing with OAuth and webhooks, VAT and withholding-tax workflows, BIR form generation, and PDF exports.
- Delivered 13 n8n workflows for lead capture, CRM updates, messaging, follow-ups, reporting, and monitoring, with handover documentation.
- Translated client and internal requirements into shipped features and supporting documentation.

2023 to 2024

Cognizant

Google / YouTube TV

Metadata Operator

Ran metadata operations and diagnosed issues in proprietary backend systems across multiple lines of business.

- Built TickTocker with JavaScript and the Google Sheets API for one-click task logging and utilization calculations.
- Created Looker Studio dashboards for task performance and utilization reporting.

Software Factory | Claude Code Plugin

Node.js, JavaScript, PowerShell, Git worktrees, GitHub CLI, Asana API, Claude Code

Built a ticket-to-deployment workflow with parallel builds, independent AI review, CI and acceptance-evidence gates, protected-change approvals, deployment checks, and Asana updates. Added interrupted-session recovery, usage-limit checks, process monitoring, and run-cost tracking. Documented live tests completed a ticket through staging deployment and blocked a deliberately faulty change.

Creative Ad Approval

Next.js, TypeScript, Baserow, NextAuth, SMTP, Docker, n8n

Client approval states, decision records, email notifications, retries, and failure alerts. Scheduled checks and email delivery use n8n; hosted on a Hostinger VPS.

AccuBooks

Laravel, Livewire, MySQL, PayMongo, OAuth, DomPDF

Production multi-tenant cloud accounting SaaS with subscription billing, Philippine tax workflows, BIR forms, and PDF exports.

Internal App Portal

Next.js, React, Prisma, PostgreSQL, NextAuth, Vercel

Internal application portal with authentication and database-backed workflows.

Creative Audit

Next.js, NestJS, PostgreSQL, BigQuery, Cloud Run, Neon, Vercel

AI-assisted creative analysis and performance reports with human review and PDF export. Reuses saved creative analyses. Eight onboarded brands; staging deployment.

Engineering Request

TypeScript, Slack, Asana, Baserow, Vercel, Vitest

Slack intake that retrieves client records from Baserow and creates structured tickets on the Asana engineering board.

n8n Automation Suite

n8n, REST APIs, webhooks, EspoCRM, Docker, Telegram, Claude API

Thirteen workflows for lead capture, CRM updates, messaging, follow-ups, reporting, and monitoring, supported by payload maps and handover guidance.

TECHNICAL SKILLS

FRONTEND

React, Next.js, TypeScript, Tailwind CSS, shadcn/ui

DATA

PostgreSQL, Neon, Prisma, BigQuery, MySQL, SQL, Baserow

AI & CODING AGENTS

Claude Code, Codex, Claude API, Gemini, Vertex AI, OpenRouter

AUTOMATION & INTEGRATIONS

n8n, Slack, Asana, SMTP, PayMongo, EspoCRM, Telegram

BACKEND & APIS

Node.js, NestJS, Laravel, Livewire, REST APIs, webhooks, OAuth

CLOUD & DEPLOYMENT

Google Cloud, Cloud Run, Pub/Sub, Docker, Vercel, Hostinger VPS

AGENT FRAMEWORKS

LangChain, LangGraph, multi-agent orchestration

MONITORING & DELIVERY

PostHog, Git worktrees, GitHub CLI, CI gates, deployment verification, logs, health checks, alerts

EDUCATION & CERTIFICATIONS

BS Computer Science

Minor in Data Science
Mapua Institute of Technology, Makati
Class of 2024

Digital First Certification - Cognizant, 2024

Workflow automation; documented impact above USD 10,000.

Engineering Practices for Building Quality Software

University of Minnesota, 2023

Database Management Essentials

University of Colorado System, 2022