RENIEL F. GALANG

AI Systems Developer | Custom Software Solutions Development

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PROFESSIONAL SUMMARY

Computer Engineering graduate and part-time AI Systems Developer with hands-on experience building, configuring, testing, and deploying Python-based, cloud-connected systems and customer-facing conversational AI workflows. Translates business and operational requirements into technical workflows, acceptance criteria, reproducible test cases, defect reports, and deployment recommendations. Led a five-member engineering team, executed 2,188 functional test runs with a 98.54% pass rate, and completed a 39-check AI workflow test suite with 39/39 passing results. Passionate for applied AI and custom software solutions, and currently studying and building projects in Microsoft Foundry, n8n, and Claude.

CORE SKILLS

Applied AI: Conversational AI workflow design, prompt engineering, D-ID Studio configuration and testing, n8n, Microsoft Foundry, Claude
Delivery Tools: GitHub, Visual Studio Code, Vercel, iterative test-fix-retest delivery
Programming & Integrations: Python, Git, SQL, REST APIs, Firebase, Supabase, Linux, Raspberry Pi, NFC, GPS
Technical Support & QA: Issue triage, defect reproduction, smoke testing, functional testing, regression testing, acceptance criteria, error/event logging, technical documentation, ISO/IEC 25010:2023

PROFESSIONAL EXPERIENCE

Part-Time AI Systems Developer | Quantum Growth AI Automation Agency **Jul 2026 - Present**
Makati, Philippines

- Translate business requirements into prompts, conversation workflows, application behavior, acceptance criteria, and prioritized technical tasks for customer-facing AI prototypes.
- Execute structured smoke and regression tests, reproduce and log defects, revise code or agent configurations, and validate fixes across interruption, latency, duplicate actions, intent recognition, and media triggers.
- Utilize GitHub, VS Code, D-ID Studio, Vercel, and Supabase to manage iterative test-fix-retest cycles, deployments, known limitations, and technical recommendations, deploying **one project per week—four projects now including:** *AI-Bartender, AI-Receptionist, AI-KPI-Tracker Dashboards, and a client's company website.*

SELECTED ENGINEERING PROJECTS

AI Bartender Conversational Prototype | AI Systems Developer **Jul 2026 - Present**
D-ID Studio, Git/GitHub, Vercel, Supabase

- Developed and deployed a conversational AI bartender supporting six approved drinks, explicit order confirmation, one-ticket-per-order behavior, correct drink-to-video mapping, AI silence during playback, and bartender administration controls.
- Designed and completed a 39-check end-to-end smoke and regression test suite, achieving 39/39 passing results across ordering, confirmation, duplicate prevention, ticket management, video playback, session reset, and recovery workflows.
- Diagnosed and resolved incorrect or missing videos, repeated orders, overlapping AI responses, incorrect drink selection, and speech during playback through structured event logging and iterative test-fix-retest cycles.

Web-Based Automated Fare Collection System | Team Leader **Dec 2025 - Apr 2026**
Python, REST APIs, Firebase, Raspberry Pi, NFC, GPS

- Led a five-member team in designing and developing a Python-based, cloud-connected fare collection platform with commuter, driver, and administrator interfaces for card validation, terminal-based fare computation, seat allocation, operational oversight, and financial analytics.
- Designed, logged, and executed 2,188 manual test runs across 21 scenarios, recording 2,156 correct outcomes and a 98.54% functional pass rate across payment, balance updates, fare computation, seat allocation, dashboards, alerts, failure states, and duplicate-prevention behavior.
- Coordinated ISO/IEC 25010:2023 expert and user evaluations, achieving mean ratings of 4.56/5 and 4.57/5, respectively.

EDUCATION & PROFESSIONAL DEVELOPMENT

Associate AI Engineer for Developers - Structured Training | DataCamp x Data Engineering Pilipinas **Jun 2026 - Present**
Coursework: Python, GitHub Foundations, Prompt Engineering, OpenAI API, RAG, Embeddings, Pinecone, LangChain, LLMOps, MCP, Hugging Face

Bachelor of Science in Computer Engineering | University of Cabuyao - Pamantasan ng Cabuyao **Aug 2022 - Jun 2026**
City of Cabuyao, Laguna | CGPA: 3.51/4 | *Dean's Lister, First Semester 2023-2024*

LEADERSHIP

News Writer & Copyreader, PnC's The Herald (2025-2026) - Researched, wrote, edited, and verified university news content under deadlines.
College of Engineering Representative, University Student Government (2023-2024) - Represented engineering students, communicated stakeholder concerns, and supported institutional coordination.