

Ghristoni Ag B. Cobilla

Solutions Architect | Data Platforms, AI Automation & Cloud (AWS)

Bangkok, Thailand | Open to remote or hybrid (Metro Manila)
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SUMMARY

Solutions Architect with 8+ years of experience since 2018 in software engineering, RPA and low-code automation, QA automation and solution design. Designs real-time data pipelines and observability stacks with Apache NiFi, ClickHouse and Grafana, and builds privacy-first AI tools on local LLMs for SQL query optimization, PII anonymization and service desk ticket routing. Turns business and team requests into working solutions together with DevOps, CloudOps, DBA, SRE and QA teams.

CORE SKILLS

- Architecture:** Solution Architecture, System Design, Data Flow Modeling, Integration Design, Requirements Gathering, Technical Documentation (WBS, BRD, Test Plans)
- Data & Observability:** ClickHouse (OLAP), Apache NiFi, Grafana, Sumo Logic, SQL (Stored Procedures, Query Optimization), ETL/ELT, Real-time Data Streaming, Data Pipelines, R
- AI & LLM:** Local LLMs (Qwen3 4B), BGE-M3 Embeddings, Prompt Engineering, RAG, Model Context Protocol (MCP), AI Agents, PII Anonymization, Data Privacy, On-premise Deployment, Anthropic
- Cloud & DevOps:** AWS (EC2, IAM, Core Services), CI/CD, Git, Docker
- Automation & QA:** Decisions Platform, Kofax/Tungsten RPA, Playwright (TypeScript), Selenium, JMeter, BDD/Gherkin, TDD, Performance Testing
- Languages:** Python, TypeScript, JavaScript, Java, SQL, R
- Delivery:** Agile/Scrum (Scrum Master), Waterfall, Stakeholder Management, Client Management

PROFESSIONAL EXPERIENCE

Associate Solutions Architect

Softdebut Co., Ltd. | Bangkok, Thailand | Apr 2025 – Present

- Design solution architectures for business and team requests, including system diagrams, data-flow models and component interaction maps.
- Architected a real-time data pipeline (Apache NiFi, ClickHouse, Grafana) that ingests 1–5M records per day and feeds multiple business and executive dashboards with alerting.
- Built Query Doctor + Anonymizer, an LLM-assisted SQL/ClickHouse query analyzer that masks sensitive data before analysis and cut query execution time by more than 70%.
- Developed a Local Anonymizer that detects and redacts PII offline on a local LLM, processing 10,000–100,000 records while keeping data on-premise.
- Co-developed SD Advisor (Service Desk Advisor) and deployed it on an AWS EC2 instance, so the service desk team escalates tickets to the correct resolver teams.
- Define the test automation and performance testing approach (Playwright TypeScript, JMeter) across multiple projects.
- Produce test plans, test scripts, WBS and business requirement specifications, and support deployment, configuration and integration with DevOps, CloudOps, DBAs, SREs and QA.

Associate Solutions Architect

HexaCloud Corporation | Philippines (Hybrid) | Jun 2024 – Apr 2025

- Developed and documented architectural designs (system diagrams, data flows, component interactions) for automation projects.
- Guided the team on project management and technical direction across 4 automation projects.
- Implemented solutions on AWS, covering configuration, integration and testing, with DevOps, CloudOps, DBA, SRE and QA teams.
- Built client relationships by translating client needs into technical requirements and delivery plans.

Application Developer / RPA Developer

Activants Pte. Ltd. | Singapore (Remote) | Sep 2021 – Jun 2024

- Designed and delivered low-code/no-code automation solutions on the Decisions platform and Kofax/Tungsten RPA for multiple Singapore government ministries.
- Built RPA and ETL workflows for data entry, extraction, transformation, report generation and process validation, reducing manual, repetitive work.
- Developed test automation frameworks with Selenium and Gherkin (BDD), applying TDD practices.
- Wrote project documentation (test scripts, WBS, business requirements) and delivered in Agile sprints.

Software Engineer

Infor PSSC Inc. | Taguig City, Philippines | Aug 2019 – Sep 2021

- Delivered product enhancements and features in line with client needs and product goals.
- Led a team of 6 to build a new website from concept to delivery.
- Implemented Sumo Logic logging and dashboards, making errors and warnings easy to trace.
- Analyzed product data in R to produce insights for decisions, and served as Scrum Master for sprints.

Web Developer

First Datacorp | Makati City, Philippines | Mar 2018 – Aug 2019

- Developed front-end and back-end features for web applications.
- Wrote efficient, reusable stored procedures, functions and SQL queries.
- Kept code readable and maintainable so other developers could contribute quickly.

KEY PROJECTS

- **Query Doctor + Anonymizer** (SQL, ClickHouse, local LLM): diagnoses slow SQL queries and suggests optimized rewrites, masking sensitive values so no raw data reaches the model.
- **Local Anonymizer** (Qwen3 4B, BGE-M3 embeddings): fully offline PII detection and redaction that runs on a 32 GB laptop, with no data leaving the network.
- **SD Advisor** (LLM, AWS EC2): Service Desk Advisor that suggests the correct resolver team for each incoming ticket.
- **Real-time analytics stack** (Apache NiFi, ClickHouse, Grafana): streaming ingestion flows, OLAP storage and alerting dashboards for business and executive users.

EDUCATION

Bachelor of Science in Information Technology

Adamson University | Manila, Philippines | 2014 – 2018

Academic Merit Awardee (2018), Academic Excellence Awardee (2014–2017), Consistent Dean's Lister

CERTIFICATIONS

- AI Fluency: Framework & Foundations, Anthropic (2026)
- Model Context Protocol for Leaders: Generative AI Agents, Vanderbilt University (2025)
- Generative AI: Prompt Engineering Basics, IBM (2025)
- Automation for Business, Starweaver (2025)
- AWS Skill Builder: Cloud Practitioner (CLF-C02) Exam Prep, IAM, Cloud Essentials (2024–2025)
- Decisions Business Analyst Certified (2023)
- Civil Service Professional Eligibility, Philippines (2016)