Analytiflow.

DATA SYSTEMS · SOFTWARE · AI & AUTOMATION

Founder-led · Carl Patrick L. Reyes
Philippines · Remote-first
Capability Statement · 2026

We build the data platforms, software, and automation that organisations depend on to keep working — in the field, at scale, and long after the launch demo.

Our deepest expertise is in systems that collect and govern data under difficult conditions: offline field environments, national programmes, multi-region fieldwork, and audit-bound reporting. The same engineering discipline carries to operational software, dashboards, and practical AI automation.

WHAT WE DO

Data Systems

Platforms that collect data where connectivity, devices and time all work against you — then turn it into governed, usable datasets.

- Offline-first field data collection (CAPI)
- Validation pipelines and data-quality gates
- Dashboards and automated statistical outputs
- Codebooks, data rooms, audit-ready documentation

Software Delivery

Web, mobile and desktop applications built to be operated — documented, monitored, and maintainable by your team.

- Management information systems and portals
- System integration and legacy modernisation
- Quality assurance and test automation
- Hosting, deployment and operational runbooks

AI & Automation

Automation that removes real work from real queues, wired into the systems you already run.

- Document and data processing automation
- Workflow automation across existing tools
- AI-assisted delivery methodology
- Honest assessment of where AI pays off

TRACK RECORD

12+
survey and data systems built across three platforms

2
national programmes running on our systems today

15+
training workshops delivered to field and research teams

17
regions covered by fieldwork we have supported

SELECTED ENGAGEMENTS

National Universal Health Care Survey Platform

2025 – present

Asian Social Project Services, Inc. (ASPSI) — national health monitoring programme

Four questionnaire instruments for a national Universal Health Care monitoring survey, deployed on tablets and as an offline-capable web application, synchronising from field teams nationwide to a central server. We deliver the instrument build, the synchronisation infrastructure, a live coverage and progress dashboard, the data-quality pipeline, a generated codebook, and the statistical tabulation catalogue — and serve as the technical resource person for field training.

4 instruments · 1,521 health facilities · 120 sites across 17 regions · ~145 field staff trained across four simultaneous sites

National Coconut Germplasm Database

2024 – present

Philippine Coconut Authority – Albay Research Center · funded by DOST-PCAARRD

Design and deployment of the genebank information system for the national coconut genetic resources collection, built on GRIN-Global Community Edition. We authored the software requirements specification, deployed and migrated the production environment, mapped the international coconut breeding standard to the platform, and architected integration with an offline field-data application used for palm characterisation and QR-code tracking.

Live in production · 16 use cases specified · recognised under a Letter of Collaboration with the Global Crop Diversity Trust · programme scored 94% at its Year-2 review

Livelihood Management Information System ▲

2020 – 2022

Department of Agrarian Reform — Bureau of Agrarian Reform Beneficiaries Development

Quality assurance for the management information system supporting a national smallholder-farmer livelihood and enterprise programme. We designed the test approach, cases and automation scripts; ran functional, regression, integration and acceptance testing; supported a formal system user test with the client's nine-person evaluator panel; and facilitated training of trainers. The system reached production use with farmer records encoded across project sites.

STARBOOKS WhiZ — national science education app ▲

2021

Department of Science and Technology – Science and Technology Information Institute, delivered through the prime contractor

Quality assurance across the administrator and user modules of a gamified science and mathematics quiz application, through QA and acceptance cycles spanning its public launch. The app was launched by DOST-STII as part of the STARBOOKS programme's tenth anniversary and is published on Google Play.

Family Development Sessions Management Information System ▲

2018 – 2019

Department of Social Welfare and Development — national conditional cash transfer programme

Front-end development and systems integration for the information system tracking family development session compliance across a programme serving over four million households. We built the interface components, integrated the front end with the API, database and server, drafted the technical documentation for the system's vulnerability assessment, and facilitated national training of trainers and implementers.

Community Needs Assessment, DOST-CEST Programme ▲

2021

Department of Science and Technology Region IV-A, with a state university research team

Field data collection system and data processing for a community profiling and needs assessment across six municipalities, supporting the design of science and technology interventions. The resulting study was published in a peer-reviewed national science journal.

▲ All work shown was led or delivered by Analytiflow's founder, Carl Patrick L. Reyes. The marker denotes programmes where he served inside the implementing organisation's delivery team: the technical work described is his own, and the programmes were team efforts.

WHAT CLIENTS SAY

> *"…successfully launched and is now being populated with project data."*
>
> Dr. Maria Elizabeth B. Naredo — Project Leader, PCA Albay Research Center, reporting the germplasm information system to central office, 2026

> *"Thank you very much… for your excellent services! Super napadali po ang ating data gathering because of the software."*
>
> Kristia Lei Reyes — Batangas State University, on the DOST-CEST field data collection system, 2021

HOW WE WORK

Methodology over improvisation

Every engagement runs on a documented delivery workflow — specifications before code, generated artefacts over hand-editing, and templates that carry lessons from one programme into the next. Our survey work follows a codified twelve-phase workflow from questionnaire ingestion to dataset handover.

Led end to end

Engagements are led by a principal engineer from first call to production, with vetted specialists brought in as scope requires. One accountable owner, and no hand-off gaps between design, build and field support.

Built to be operated

Systems ship with documentation, runbooks and training for the people who will actually run them. We treat late requirement changes as normal rather than catastrophic, because in field programmes they always are.

TOOLS AND STANDARDS

Survey and data systems — CSPro, CSEntry, CSWeb, Survey Solutions, progressive web applications, Stata/SPSS/CSV delivery
Software — TypeScript and modern web stacks, React and React Native, Python, SQL and MSSQL/PostgreSQL, Docker, cloud and on-premise deployment
Analysis — R, Python, Power BI, statistical tabulation and automated reporting
Standards applied as design constraints — ISO/IEC 12207, 25010, 26514 and 29148; the Philippine Data Privacy Act; PH-DICT Cloud-First Policy; and, for survey work, alignment with DHS, UNICEF MICS, World Bank LSMS+ and IHSN practice

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Available for direct engagement, subcontracted delivery, and named-specialist roles on consortium proposals.