

Indra Gunawan Wibisono

Software Quality Assurance Lead | Web Scraping & Data Operations

Purworejo, Jawa Tengah, Indonesia | indrawibisono@duck.com | Portfolio <https://indra.quant.my.id/> | LinkedIn <https://www.linkedin.com/in/igwibisono/> | Github <https://github.com/indrow>

SUMMARY

Software Quality Assurance Lead with experience owning UI/API testing, regression coverage, release validation, QA standards, and deployment verification for web applications, Chrome extensions, crawling platforms, and internal data systems. Web scraping and data operations experience includes crawling workflows, SQL-based validation, output readiness checks, dashboards, AI-assisted automation, and internal tooling that help teams maintain reliable data operations.

SKILLS

- **QA & Testing:** Test Strategy, UI/API Testing, Regression Testing, Release Validation, Playwright, Postman, Jira
- **Data Operations:** Web Crawling, Web Scraping, Data Extraction, SQL Validation, Data Quality Checks, Output Readiness
- **Data & Reporting:** PostgreSQL, BigQuery, Looker Studio, Dashboards, Operational Reporting
- **Development & Tools:** Python, JavaScript, TypeScript, React, Next.js, AI-Assisted Development, Automation, Linux, Git

EXPERIENCE

PT Bentara Tabang Nusantara (BETA-UAS), Bandung — Software Development Consultant

April 2026 – Present

- Advise software teams on environment setup, development workflows, lifecycle practices, and release preparation.
- Coordinate technical workflow planning, documentation, tooling readiness, and practical engineering guidance for internal teams.

FoodStyles, London — Software Quality Assurance Lead / Data Operations Lead

September 2021 – Present

Software Quality Assurance & Release Validation

- Lead UI and API testing for internal web applications, Chrome extensions, crawling platforms, scraping tools, and data systems.
- Define QA standards, test processes, release-readiness checks, and deployment verification practices.
- Manage test cases, regression coverage, bug verification, and Jira workflows for issue tracking and resolution.
- Use Playwright, Postman, Chrome DevTools, and structured manual testing to validate product behavior and integration quality.
- Verify release quality through focused application testing, bug validation, regression review, and deployment-readiness checks.

Data Operations, Web Scraping & Validation

- Manage large-scale web crawling operations and validate crawling outputs with SQL-based checks.
- Created validation workflows to review data completeness, accuracy, consistency, and readiness for downstream use.
- Developed validation scripts to detect missing, incomplete, duplicated, or inconsistent crawling data.
- Support scraping and data extraction workflows from distributed crawling systems through review, escalation, and output preparation.
- Work with PostgreSQL and BigQuery to support data analysis, reporting workflows, and operational decision-making.

Reporting, Internal Tools & Infrastructure

- Designed automated Looker Studio reports and dashboards for operational performance, crawling progress, QA status, and team productivity.
- Designed and developed an internal web application for managing crawling jobs, distributed nodes, and job allocation.
- Provisioned and maintained Linux VPS instances used as distributed crawling nodes.
- Used JavaScript, TypeScript, React, Next.js, SQL, Python, and AI-assisted development practices to improve internal tooling, automation, data visibility, and workflow reliability.

PROJECTS

Scraping SaaS

Website: <https://scrape.id/>

- Developed a platform for automated web scraping, structured data extraction, and repeatable scraping workflows.
- Built Crawllee and Playwright workflows to collect website data and convert it into structured outputs.
- Built a React frontend for configuring scraping jobs, reviewing extracted data, and handling output quality.

EARLIER EXPERIENCE

PT. Bentara Tabang Nusantara Unmanned Aircraft Solutions BETA-UAS, Bandung — Mechanical Design Draftsperson

October 2016 – April 2017

- Designed UAV components and supported simulation, performance validation, and technical model refinement.

PT Ingress Malindo Ventures, Cikarang — Project Engineer

April 2016 – September 2016

- Led new parts development projects from engineering readiness through mass-production handover.
- Coordinated customer requirements, timelines, progress, delivery targets, and Kaizen-based process improvements.

EDUCATION

Institut Teknologi Bandung, Bandung — Bachelor of Science

August 2011 – October 2015

Universitas Indonesia, Depok — Master of Engineering

August 2017 – August 2019

Universitas Indonesia, Depok — Doctor

August 2019 – August 2021

SELECTED PUBLICATIONS

- **Wibisono, I.**, Yanuar, & Gunawan. 2022. "Hybrid Hermite TENO scheme with a simple smoothness indicator for compressible flow simulations." *Results in Applied Mathematics*, 13, 100234. doi:10.1016/j.rinam.2021.100234
- **Wibisono, I.**, Yanuar, & Kosasih, E. A. 2021. "Fifth-Order Hermite Targeted Essentially Non-oscillatory Schemes for Hyperbolic Conservation Laws." *Journal of Scientific Computing*, 87(3), 69. doi:10.1007/s10915-021-01485-0