

IQBAL AHDAGITA ELBADRA

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Portfolio & Projects: iqbalahdagita.web.id

PROFESSIONAL SUMMARY

A proactive and passionate technology professional with a solid foundation in programming since 2013. Graduated with a Bachelor of Informatics from Universitas Jendral Soedirman and further sharpened through intensive Binar Academy Bootcamps in Data Science and Quality Assurance. Experienced in developing engaging web applications, orchestrating end-to-end IT projects, and leading freelance teams ("Satria Perwira"). Eager to bring a comprehensive skill set combining full-stack development, logic-driven QA testing, and big data analysis to create scalable organizational impact.

WORK EXPERIENCE

PT Satria Perwira Teknologi, Purwokerto

January 2017 – December 2025

Programmer (Freelance)

- Established and led a freelance development team consisting of college peers.
- Successfully negotiated and delivered full-cycle technology projects, helping government entities, SMEs (UMKM), and Universities digitize their operations through custom web applications.
- Developed and integrated scalable web solutions using Laravel, ReactJS, and MySQL/PostgreSQL databases to optimize operational workflows.

Inspektorat Dinas, Purbalingga

January 2018 – June 2018

Web Developer (Intern)

- Engineered the renovation of the Inspektorat's institutional website profile to elevate public transparency.
- Architected and developed a public complaints program website application from scratch.
- Successfully launched the application to the public domain, garnering positive reception and high adoption rates from citizens and internal stakeholders.

Global Technology Solution, Purwokerto

June 2013 – September 2013

IT Tech Staff (Intern)

- Administered troubleshooting and physical installation of IT Office Client equipment, encompassing Network infrastructure and CCTV security systems.
- Conducted rigorous regular maintenance checks, guaranteeing that all equipment functioned at optimal capacities.
- Developed and implemented strict Standard Operating Procedures (SOPs) to ensure the sustainable usage of IT logistics.
- Provided comprehensive status updates and reported potential bottleneck issues to the management board.

PROJECT EXPERIENCE

JavaMifi Enterprise Deep Crawler & Scraper for RAG Knowledge Base

May 2026

- Engineered an enterprise-grade asynchronous crawler and scraper using Playwright (Async) and BeautifulSoup to extract clean content from JavaMifi's site, bypassing cookie popups and expanding FAQ accordions dynamically for high-quality RAG grounding.
- Built a FastAPI Hybrid RAG Engine (BM25 + RapidFuzz) with intent detection, custom country reranking, LLM grounding via Gemini API, and automatic escalation tagging (flag_urgent_technical, human_cs_needed).
- Integrated with WhatsApp using three different channels: NodeJS Bridge (whatsapp-web.js), n8n Workflow (enterprise low-code), and Make.com Scenario.
- Created a premium glassmorphic single-page Web Chatbot UI (Sky Blue, Brand Yellow, and Deep Navy theme) with multi-turn chat memory, responsive mobile drawers, localStorage session persistence, and FlagCDN integration.

Point of Sales System, Old Friends Cafe

June 2019

- Developed a robust PHP Native web application encompassing comprehensive modules for cashiers, ordering, booking, kitchen routing, inventory management, and financial reporting.
- Collaborated intimately with the café team to meticulously gather requirements, ensuring the final deliverable seamlessly accommodated their high-paced environment.
- Led rigorous Quality Assurance checks prior to launch and provided direct training to the operational staff, resulting in immediate systemic adoption.

Participant Registration System, Indonesian Robotics Contest

April 2019

- Developed a massive-scale registration and document verification system using the Laravel Framework.
- Engineered secure architectures to maintain highly accurate records of nationwide participants, offering real-time status updates directly to the contest management board.
- Orchestrated cross-departmental collaboration to proactively identify bottlenecks and patch system performance heavily burdened by concurrent traffic.

EDUCATION

Binar Academy Bootcamp

June 2023 – September 2023

Data Science

- Final Score: 87

Binar Academy Bootcamp x Kominfo

March 2023 – April 2023

Quality Assurance

- Final Score: 84.2

Universitas Jendral Soedirman

April 2015 – December 2022

SI Bachelor of Informatics

- GPA: 3.1

SMK Telkom Purwokerto

January 2012 – December 2014

Software Engineering

TECHNICAL SKILLS

- **Data Science:** Python, Numpy, Pandas, Scikit-learn, Tableau, Looker Studio (Data Studio), Matplotlib, Seaborn
- **Machine Learning & AI:** PyTorch, TensorFlow, LLM, RAG, LangChain, Chroma, Pinecone, Knowledge Graphs
- **Web Development & Databases:** PHP, JavaScript, HTML, CSS, PostgreSQL, MySQL, BigQuery, Neo4j, Redis, FastAPI, Gradio/Streamlit (UI)
- **Frameworks & Libraries:** Laravel, CodeIgniter, ReactJS, VueJS
- **Quality Assurance:** Manual Testing, Bug Reporting, Selenium, Postman, Katalon, K6
- **Tools & Version Control:** Git, GitHub, Docker, SSH, MS Excel (VBA/Macros, Pivot Tables)

AWARDS & ACHIEVEMENTS

- **Grand Finalist E-Government (4th place)** — E-Government Competition "Find IT", Universitas Gadjah Mada (UGM) (2018)
- **1st Place in Website Innovation** — Informatic Computer Science Week, Universitas Islam Indonesia (UII) (2017)
- **Grand Finalist Website Competition** — Telkom University (2013)