



## Fajar Laksono

Penang, Malaysia | Central Java, Indonesia

[fajrlaksono@gmail.com](mailto:fajrlaksono@gmail.com) • (Call)+60 10-596-6585 / (WA)+62 89-6658-88251

[linkedin.com/in/fajrlaksono/](https://linkedin.com/in/fajrlaksono/) • [fajarlaksono.github.io/data](https://fajarlaksono.github.io/data) • [laksonos-note.super.site/](https://laksonos-note.super.site/)

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### Summary

AI & Data-driven professional with an engineering background and 7+ years of experience translating business requirements into scalable data solutions. Experienced in dashboard reporting, cost analysis, automation, and stakeholder collaboration. Master's candidate in Business Analytics with strong SQL, Python, and BI skills.

### Portfolio

Shieldbase AI • AccelByte Intelligence Service • Heart Disease Analysis • Eye Health Analysis and Machine Learning Models Selection • Data Profession Survey Analysis with Power BI • Card and Fraud transaction analysis and prediction with Machine Learning • and See more portfolios: <http://fajarlaksono.github.io/data>

### Technology Experience

**Software Development:** Python, Go, C, C++, C#, PHP, Java, Docker, Kubernetes, CI/CD, Jenkins, makefile.

**Databases / Data Warehouses:** Vector PostgreSQL, MySQL, MongoDB, Snowflake, Kafka, Elasticsearch.

**Large Language Models:** OpenAI, Anthropic, GoogleGenAI.

**Data Integration / ETL Tools:** Databricks, Kafka Connect, Airflow.

**Cloud Platforms:** AWS, GCP.

**Data Visualization:** Power BI, Grafana, Excel, Google Spreadsheet.

**Libraries / Frameworks:** Pandas, scikit-learn, TensorFlow, matplotlib, Laravel, WordPress, Spring Boot.

**Project Management:** Jira, Linear, Confluence, Miro.

### Professional Experience

#### Shieldbase AI - Malaysia

**Technical Product Lead**, March 2025 - Present

- Designed and implemented an AI-powered data workflow system to process, analyze, visualize, and collect structured and unstructured data. Built end-to-end AI data pipelines integrating ingestion, preprocessing, AI model execution, and dashboard visualization. Automated data collection and transformation workflows to support internal analytics and product intelligence.
- Led the AI Engineering team to collaborate with cross-functional teams like Product, Infra, and QA, defining roadmap priorities and execution plans while maintaining delivery predictability and data system quality standards.
- Translated business and customer requirements into clear technical specifications, backlog items, and release plans, enabling efficient and consistent product delivery. Oversaw system design and technical decision-making, balancing scalability, performance, and long-term maintainability.
- Established collaboration processes between Product, Engineering, Infra, and QA, improving test coverage, release readiness, and reducing post-release defects. Worked closely with stakeholders to gather feedback and prioritize improvements that enhanced data product reliability and user adoption.

#### AccelByte Inc - Indonesia, USA-based

**Analytics Engineer**, March 2021 - December 2024

- Led a research initiative to identify and implement strategies for reducing CDN and Storage costs, leveraging data analysis, benchmarking, and evaluating alternative providers. Ultimately, I successfully introduced an optimized solution, onboarded the new vendors, realized around 40% reduction in CDN and Storage costs, and the research was adapted to all company products. Significantly improving operational

efficiency and cost savings.

- Led an initiative to automate the Release and Deployment of the services by implementing an automated release and Deployment design. As a result, it has successfully improved team productivity speed during the release train by 25%-40% and reduced manual intervention.
- Led an initiative to automate data warehouse migration script by implementing Flyway and made a sandbox environment, successfully improving Database Engineers' productivity by 25%-40% and reducing manual migration errors.
- Streamlined the customer service experience by addressing inquiries promptly, fostering long-term customer trust and loyalty, such as Krafton, Sony Interactive Entertainment, Striking Distance, Theorycraft, Raidbase, and Omeda.
- Developed scalable and stable backend solutions by collaborating with cross-functional teams and implementing system designs with distributed databases and cloud infrastructure, ensuring on-time delivery of features and enhancing user satisfaction

#### **Agate International - Indonesia**

**Full-stack Programmer**, September 2020 - March 2021

- Developed the backend system and its admin portal for a game with database-driven architecture, ensuring a robust and scalable infrastructure that supported seamless gameplay and management features.

#### **PT. Gria Inovasi Teknologi - Jakarta, Indonesia**

**Software Engineer**, September 2019 - March 2020

- Developed backend and scalable databases for a national management system for the Attorney General of Indonesia using PHP Laravel, and Bootstrap. Coordinated daily with stakeholders to refine requirements and delivered the system on schedule with a user-friendly interface and efficient server-side logic.

#### **Universitas Bina Sarana Informatika - Indonesia**

**Lab Assistant**, June 2016 - September 2016

- Assisted the lecturer with lab sessions. Guided students in programming concepts and debugging code examples. Supported learning in PHP, C/C++, and Visual Basic.

#### **PT. Mitra Mandiri Informatika - Indonesia**

**Junior Programmer**, April 2016 - September 2016

- Contributed to building decision support system (DSS) applications. Gained hands-on experience in programming and application architecture. Employed VB.net + Microsoft Access and PHP + MySQL technologies.

## **Education**

**Master of Business Analytics**, Universiti Sains Malaysia, Malaysia. 2024-July 2026

- GPA: 3.50/4.00.
- Relevant Coursework: Data Programming, Predictive Analytics for Business, Machine Learning, and Economic and Management Insight.
- Organization Involvement: AI Trainer in Indonesian Students Association
- Research: The Impact of Artificial Intelligence on Employment in Knowledge-Intensive Industries (In progress)

**Bachelor of Information System Management**, Universitas Bina Sarana Informatika, Indonesia. 2015-2019

- GPA: 3.79/4.00.
- Relevant Coursework: Databases and Data Structure, Software Engineering, and Project Management.
- Organization Involvement: Leader and Teacher in Programming and Animation Forum
- Publications: Analisis Kepuasan Pengguna Youtube Sebagai Media Pendidikan Menggunakan Model DeLone Dan McLean (2019), • Learning Management System Web-Based Application for Computer Science (2018).