Fajar Laksono

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Summary

- **Analytics Engineer:** 7+ years of experience in designing, developing, and maintaining software systems, with a focus on scalable and efficient data-focused solutions.
- **Data Analyst:** Passionate about data, collecting, processing, and analyzing data to generate actionable insights that inform business and technical decisions.
- **Technical Lead:** Skilled in product lifecycle management, feature prioritization, and cross-functional collaboration to deliver value to users and stakeholders.
- **Languages:** English (Fluent), Indonesian (Native), Japanese (Beginner), Malay (Beginner), Javanese (Intermediate).

Professional Experience

Shieldbase AI - Penang, Malaysia
Technical Lead (Full-time), March 2025 - Present
- 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 - Yogyakarta, Indonesia | Seattle, WA, USA
Analytics Engineer (Full-time), 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, ensuring on-time delivery of features and enhancing user satisfaction

Agate International - Bandung, Indonesia
Full-stack Programmer (Contract), September 2020 - March 2021
- Developed the backend system and its admin portal for a game, ensuring a robust and scalable infrastructure that supported seamless gameplay and management features.
- Ensured timely delivery of the project by adhering to deadlines, coordinating with cross-functional teams, and mitigating any obstacles to maintaining the project schedule. Successfully finished the project 1 month earlier.

PT. Gria Inovasi Teknologi - Jakarta, Indonesia
Software Engineer (Full-time), 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 - Purwokerto, Indonesia
Lab Assistant (Contract), 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 - Cilacap, Indonesia
Junior Programmer (Contract), 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.

Freelancing Projects - Bandung, Indonesia | Purwokerto, Indonesia
Web Developer (Self-employed), April 2016 - October 2019
- Created simple small business websites for clients during college, delivering user-friendly and functional sites that helped businesses establish an online presence and attract more customers.

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/**

Technology Experience

Software Development: Python, Go, C, C++, C#, PHP, Java, Docker, Kubernetes, GitLab CI/CD, Jenkins. makefile, React.
Databases / Data Warehouses: Vector PostgreSQL, MySQL, MongoDB, Snowflake, Redis, 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, Looker, Excel, Google Spreadsheet.
Libraries / Frameworks: Pandas, scikit-learn, tensorflow, matplotlib, Laravel, WordPress, Spring Boot, Next. JS
Project Management: Jira, Linear, Confluence, Miro.

Education

Master of Business Analytics, Universiti Sains Malaysia, Penang, Malaysia. GPA: 3.50/4.00, 2024-July 2026.
- Thesis: The Impact of Artificial Intelligence on Employment in Knowledge-Intensive Industries
- Relevant Coursework: Data Programming, Predictive Analytics for Business, Machine Learning, Economic and Management Insight.
- Organization Involvement: AI Trainer in Indonesian Students Association

Bachelor of Information System Management, Bina Sarana Informatika, Purwokerto, Indonesia. GPA: 3.79/4.00, 2015-2019.
- Thesis: Analysis of YouTube User Satisfaction as a Public Education Media Using the Delone and McLean Model.
- Relevant Coursework: Databases and Data Structure, Software Engineering, and Project Management.
- Organization Involvement: Leader and Teacher in Programming and Animation Forum