



Yusril Albi, Computer Science

Back End Engineer | Machine Learning Engineer | Data Engineer

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SUMMARY

Highly skilled technology professional with **3+ years** of experience in **Back-End Engineering, Data Engineering, and Machine Learning**. Proven expertise in building scalable APIs, managing large-scale data pipelines (200B+ records), and deploying ML models. Recognized for leadership in national competitions (5x time 1st Place in Informatics Olympiad) and impactful projects at top organizations like **Shopee** and **Samsung R&D**. Adept at problem-solving, continuous learning, and delivering results in fast-paced environments.

EXPERIENCE

Samsung R&D

Data Engineer - Full Time | Apr 2024 - Present

- Handling more than **200B+** data per-scheduled using **AWS (EKS, EMR)**, **Airflow**, **Spark**.
- Proposed anomaly detection on **3M+** Robot (20+ sensor) leveraging (C/C++, Python) and custom crawler.

Pertamina & Petronas (University)

Machine Learning Engineer - Full Time | Feb 2023 - Jan 2024

- ML Researcher on the project funded with **\$6000**; made patent and thesis for **Hybrid Model in oil & gas**.
- Time Series Analysis, Model Prediction **LSTM-RNN for Asset Integrity**, Data Preprocessing and Pipelining.

Shopee

Back End Engineer - Trainee | Aug 2023 - Nov 2023

- **Led the project**, assigned JIRA, planned sprints, **supervised** discussion and retros for a **6-member team**.
- Developed **Rest-API** for Transaction, Crawling **1M+** E-Commerce products (image, etc.), API Documentation.

Banking Industry (Largest Bank in Indonesia)

Data Engineer - Intern | Sep 2022 - Mar 2023

- Implement new monitoring architecture using **Elasticsearch, Logstash, and Kibana (ELK)** with integrated KONG.
- **Make ETL for strict and complex data finance**, pipelining user KYC and Compliance Report.

Service Education

Informatics Mentor – Part Time | Jan 2020 - Present

- Experience mentoring more than **50+ Senior High School** in Jakarta, Indonesia (C++, Algorithm, etc.).

EDUCATIONS

Bangkit Academy led by Google

Machine Learning – TensorFlow Certified [\[Link\]](#)

| 2022

Universitas Pertamina (Pertamina University)

Bachelor of Computer Science (Cum Laude), Full Scholarship

| 2019

+ Informatics Competition & Competitive Programming – National Level (Link: [\[Link\]](#))

- 1st Place in Intercollegiate Olympiad of Informatics: OSM, FUSC, OSSN, FOHKN, BIMAGE, etc.
- Honorable Mention in Hology 4.0

SKILLS

BE Engineer: Go (Golang), C++, BaaS, Redis, Kafka, PostgreSQL, MongoDB, API, node.js, NoSQL, etc.

Data Engineer: SQL, AWS, Airflow, ETL, Python, Big-Query, EKS, EC2, S3, Web Scrapping, Spark, Hadoop, etc.

ML Engineer: Python, NumPy, Pandas, TensorFlow, PyTorch, NLP, LSTM, RNN, DNN, Time Series, etc.

Others: Teamwork, Time Management, Teaching, Proactive Learning, Growth Mindset, etc.

CERTIFICATIONS

Google: IT Automation with Python, Crash Course on Python, etc.

Certificates (02/2022) [\[Link\]](#)

Imperial London: Mathematics for Machine Learning Certificate, etc.

Certificates (03/2022) [\[Link\]](#)

DeepLearningAI: TensorFlow Developer, TensorFlow Deployment, etc.

Certificates (04/2022) [\[Link\]](#)

LANGUAGE

Indonesia

Native

English

TOEFL 647 (Listening 48/50, Structure&Written 38/40, Vocabulary 47/50) [\[Link\]](#)