



Yusril Albi, B.Cs

Back End Engineer | Machine Learning Engineer | Data Engineer

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SUMMARY

A highly skilled and adaptable technology professional with a proven track record in Back-End Engineering, Data Engineering, and Machine Learning. With hands-on experience at top-tier organizations like Shopee and Samsung R&D, I have certified and experience to handle large-scale data, develop scalable APIs, and implement advanced machine learning models. A consistent top performer in national informatics competitions, full scholarship and international research experience. I have strong problem-solving abilities, and a commitment to continuous learning.

EXPERIENCES

Samsung R&D	Jakarta, Indonesia	Achievements
<i>Global Data Engineer – Full Time</i>	<i>Apr 2024 - Present</i>	<ul style="list-style-type: none">Crawled 1 million E-Commerce DataHandled more than 2 billion data per-scheduled using Amazon Web ServiceCovered 90%++ unit test Airflow (.py)Implement new model architecture in oil & gas industry for forecasting asset integrityImplement log monitoring using ELK≥ 5 times 1st place in informatics Olympiad
Shopee International	Jakarta, Indonesia	
<i>Back End Engineer - Trainee</i>	<i>Aug 2023 - Nov 2023</i>	
Banking Industry - PT BRI	Jakarta, Indonesia	
Largest & Widest Bank in Indonesia		
<i>Data Engineer - Intern</i>	<i>Sept 2022 - Mar 2023</i>	
Service Education	Jakarta, Indonesia	
<i>Mentor Informatics – Part Time</i>	<i>Jan 2020 - Present</i>	

EDUCATIONS

Bangkit Academy led by Google	Jakarta, Indonesia
<i>Machine Learning – TensorFlow Certified</i>	<i>2022</i>
Universitas Pertamina (Pertamina University)	Jakarta, Indonesia
<i>Bachelor of Computer Science (Cumlaude), Full Scholarship</i>	
Informatics Competition & Competitive Programming – National Level (Ex: Codeforces)	
<ul style="list-style-type: none">• 1st Place in Intercollegiate Olympiad of Informatics: OSM, FUSC, OSSN, FOHKN, BIMAGE, etc.• Honorable Mention in Hology 4.0	

PROJECTS

Hybrid Model for Asset Integrity – Research	2023
Work as ML Researcher on the project funded with \$6,000 (Univ. Pertamina-Petronas).	
<i>Tech stack: Machine Learning, Time Series, LSTM, RNN</i>	<i>Hash Table, Heap</i>
E-Commerce (Full Requirements) – Website	2023
Assign as Led and work as a Back-End Engineer in the Shopee Trainee Program.	
<i>Tech stack: Go (Golang), Gorm, Gin, Redis, PostgreSQL, SMTP, Cron Job, etc.</i>	<i>BST, Trie, Quick Sort</i>
FV Classification - Android	
Handled Responsibilities of a 6 member team as a Full Stack at Academy led by Google.	2022
<i>Tech stack: Machine Learning, Android Studio, Google Cloud Platform</i>	<i>Knapsack Algorithm</i>

SKILLS

BE Engineer: Go (Golang), C++, BaaS, Redis, Kafka, PostgreSQL, MongoDB, API, node.js, NoSQL, etc.	
Data Engineer: SQL Server, AWS, Airflow, ETL, Grafana, Kibana, Web Scrapping, Database Migration, etc.	
ML Engineer: Python, NumPy, Pandas, TensorFlow, PyTorch, NLP, LSTM, RNN, DNN, Time Series, etc.	
Other: Teamwork, Time Management, Teaching, Proactive Learning, Growth Mindset, etc.	

CERTIFICATIONS

Google: IT Automation with Python, Crash Course on Python, etc.	Certificates (02/2022 - Present)
Imperial London: Mathematics for Machine Learning Certificate, etc.	Certificates (03/2022 - Present)
DeepLearningAI: TensorFlow Developer, TensorFlow Deployment, etc.	Certificates (04/2022 - Present)
Hackerrank: Problem Solving Intermediate, SQL Intermediate, etc.	Certificates (07/2021 - Present)
Dicoding: Machine Learning Mastery Evaluation, Kotlin Foundation etc.	Certificates (03/2022 - Present)
Solearn: Python for Data Science, SQL, C++ etc.	Certificates (02/2022 - Present)

LANGUAGE

Indonesia	Native
English	TOEFL 647 (Listening 48/50, Structure&Written 38/40, Vocabulary 47/50) / Code