

Choiril Kurniawan

AI/ML Engineer

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SUMMARY

AI/ML Engineer specializing in NLP, machine learning, and data-driven solutions. Experienced in designing and deploying AI systems that streamline and automate complex business processes from intelligent pipelines to production-ready models. Driven by a commitment to solving real-world challenges through cutting-edge technology and applying the latest advancements in AI to deliver meaningful, measurable impact.

EXPERIENCE

Indosat Ooredoo Hutchison 🔗

07/2024 – Present

Sr Officer - Data Security & Automation

Jakarta

- Designed, built, and maintained data pipelines, ML models, AI agents, and automation workflows to enhance SOC and Threat Intelligence/Threat Hunting (TI/TH) operations.
- Deployed AI agents and ML models to automate and streamline SIEM alert triage, correlation, and incident response within the SOC.
- Developed RAG-powered AI agents and ML models to automate threat intelligence validation and remediation workflows.
- Built a unified asset management portal by aggregating multi-source, multi-type data into a centralized RAG pipeline.
- Developed a single consolidated portal to house all internally developed systems and dashboards.
- Provisioned and monitored end-to-end infrastructure supporting automation, ML/AI agent workloads, Airflow orchestration, and database operations.

Xquisite AI 🔗

AI Engineer

07/2023 – 07/2024

Jakarta

- Designed and deployed end-to-end AI/ML solutions to address complex business challenges, from experimentation and model evaluation through to production integration.
- Built RAG systems data retrieval across structured databases and unstructured sources, improving information accessibility and response quality.
- Developed AI agents with access to company data and integrated them into chatbot interfaces as callable tools, enabling dynamic, context-aware interactions for end users.
- Collaborated with cross-functional teams to integrate AI models into production systems, ensuring scalability, reliability, and performance at scale.

Data Engineer

08/2023 – 01/2024

Data Migration & Troubleshooting at HM Sampoerna.

- Migration from Redshift to Snowflake.
- Migration from AWS to Integrated AWS environment.
- Bug fixing in migrated data pipeline; Glue, Lambda & Airflow.
- Testing and Fixing DDL & Data discrepancy throughout Database; Table, View & Stored Procedure.

Braga Technologies 🔗

05/2022 – 06/2023

Backend Engineer

Bandung, Indonesia

- Design, develop, and maintain robust, scalable, and highly available backend systems.
- Collaborate with frontend developers, product managers, and other stakeholders to understand requirements and translate them into technical specifications.
- Troubleshoot and debug issues, and provide timely resolutions.

- Implement, and maintain CI/CD pipelines for automated build and deployment processes.
- Implement Nginx for reverse proxy and load balancing.

Utama Abadi Sejahtera

09/2020 – 11/2021
Malang, Indonesia

Data Scientist

- Cleaning and preprocessing data to ensure its quality and reliability for analysis.
- Conducting exploratory data analysis (EDA) to understand trends, patterns, and relationships within datasets.
- Developing predictive models using machine learning algorithms to solve business problems and optimize processes.
- Collaborating with cross-functional teams to identify opportunities for data-driven decision-making and develop actionable insights.

Kazee

01/2019 – 04/2019
Bandung, Indonesia

Data Scientist

- Building a Sentiment Analysis Model.
- Building a Gender Classification Model.
- Deploy Model into Serving environment.

SKILLS			
- AWS Cloud	- Airflow	- Machine Learning	- Docker
- NGINX	- REST API	- SQL	- Python
- GCP	- RAG	- AI Agents	