

# Hanifan Rizki Nurahman

Greater Jakarta, Indonesia

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## Summary

An enthusiastic individual who is tenacious in what he does. Interested in AI, cloud computing, and software engineering.

## Work Experience

**IBM** Jakarta, Indonesia  
**Application Developer - Data & AI** Jun 2024 – Present

1. Developed a generative AI platform system that accomodate RAG system, AI Monitoring, and fine tuning system for Watsonx, Gemini, OpenAI and open source LLM.
2. Developed a multi modal AI agent for texts, images and audio input.
3. Developed backend services and container deployment to Openshift clusters.

**Jasa Teknologi Informasi IBM** Jakarta, Indonesia  
**Lead Data and AI Services JTI** Nov 2023 – May 2024

1. Led a team of 7 people for data and AI related solutions, such as data migration, data platform, and AI.
2. Led design thinking AI workshop and initiated AI internal projects.
3. Implemented a Unified Data Platform with IBM Cloud Pak for Data, Watson Knowledge Catalog, Db2, and Data Stage on top of private Openshift cluster to solve data governance issues in one of the Ministries in Indonesia.
4. Developed OCR solution to automate building permit data extraction using Tesseract, OpenCV, Flask API, and Docker for a government office client.

**Data Specialist** Aug 2021 – Oct 2023

1. Increased average airflow monthly uptime from 82% to 99% by optimizing the ETL script, and utilize RPA to detect downtime and recovery automatically.
2. Designed data governance that covers end-to-end data processes from various data sources to data visualization platforms.
3. Speed up data extraction process by 3 times by refactoring ETL script in Python, SQL, MongoDB, Airflow, and ELK stack.

## Education

**Universitas Padjadjaran** Bandung, Indonesia  
**Bachelor of Science in Statistics** Aug 2017 – Mar 2021

Thesis: Longitudinal Data Analysis Incident Rate of Pneumonia in Toddlers in Bandung City Using Generalized Estimating Equation

**Google Bangkit Academy** Bandung, Indonesia  
**Machine learning academy led by Google in collaboration with Gojek, Tokopedia, and Traveloka** Feb 2020 – Jul 2020

Final project: Built a web application to automate image captioning using the TensorFlow library to build CNN and LSTM models using ResNet50 and GloVe neural network architecture for the Flickr8K data set.

## Certifications

**IBM Certified Advocate – Cloud v2**, A professional utilize cloud infrastructure and services on the IBM Cloud platform. [\[link\]](#)

**Qiskit Localization Contributor - Platinum Level Translator – 2022**, Translated 25,000 words of Qiskit Textbook. [\[link\]](#)

**Enterprise Design Thinking – Team Essentials for AI**, Proficient in using Design Thinking to design AI systems. [\[link\]](#)

**IBM Agile Achiever**, Achieved 100 hours of giveback to the Agile community and 2000 hours in the Agile team. [\[link\]](#)

## Volunteering Activity

**Google Bangkit Academy** Remote  
**Mentor** May 2022 – Present

Contributed to 4 batches of Bangkit Academy and facilitated 25 teams by sharing knowledge and experience in machine learning implementation and product development for app development.

One of the teams got incubation funding from Google and the Ministry of Research, Technology, and Higher Education of Indonesia.

## Skills

<b>Programming Library</b>	TensorFlow, OpenCV, Scikit-learn, Pandas, NumPy, Flask, Qiskit, Axum
<b>Programming Languages</b>	Python, Rust, Golang
<b>Development Tools</b>	PostgreSQL, MongoDB, ELK Stack, Airflow, IBM Cloud, Docker, OpenShift, Git