Hanifan Rizki Nurahman

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Summary

An enthusiastic individual who is tenacious in what he does. Interested in machine learning, cloud computing, and community activities.

Work Experience

Jasa Teknologi Informasi IBM — *Jakarta, Indonesia*

Solution Architect Data and Cloud (Full-time) — *Jan 2023 - Present*
- Led the development team to develop Web Application solution for a government entity, involved in the system design, prototyping, security measures and presented it to the client.
- Developed and presented proof of value of process mining dashboard using Celonis for a microlending company in Indonesia and identify optimization in their current business process.
- Designed deck presentation and provided live demonstration of IBM Watson Knowledge Catalog to solve Data Governance issue in one of the Ministries in Indonesia.
- Successfully Migrated 8 Web Application from IBM Cloud Foundry to on-premise OKD instance.
- Designed and formalized documentation template for all internal projects using WikiJS.
- Designed and Implemented DevSecOps pipeline to improve CI/CD and development speed and quality.

Senior Data Specialist (Full-time) — *Aug 2022 - Present*
- Led a team of 3 people to manage, operate, and support Data Warehouse, Data Visualization, AI, and RPA Platform.
- Increase average airflow monthly uptime from 82% to 99% by optimizing the ETL script, and utilize RPA to automatically detect downtime.
- Led design thinking AI workshop and initiated AI internal projects.
- Developed a content base recommender system using NLTK, Flask API, and Docker.
- Designed data governance that covers end-to-end data processes from various data sources to data visualization platforms.
- Implemented agile value and scrum framework for data, AI & automation teams.

Data Specialist (Full-time) — *Aug 2021 – Aug 2022*
- Speed up data extraction process by 3 times by refactoring ETL script in Python, SQL, MongoDB, Airflow, and ELK stack.
- Developed OCR solution to automate data extraction using Tesseract, OpenCV, Flask API, and Docker.
- Developed search CV feature for .pdf format using Python, and Flask API.

Education & Training

Padjadjaran University — *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 Estimation Equations.

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 by utilizing the TensorFlow library to build CNN and LSTM models using ResNet50 and GloVe neural network architecture for the Flicker8K data set.

Certifications

IBM Certified Advocate – Cloud v2, A professional who can identify cloud infrastructure and services on the IBM Cloud platform. [link]

IBM Certified Associate Developer – Quantum Computation using Qiskit v0.2X, Fundamentals of Quantum Computing using Qiskit. [link]

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

Enterprise Design Thinking – Team Essentials for AI, Demonstrated proficiency in using Design Thinking to design AI systems. [link]

IBM Agile Achiever, Achieved 100 hours of giveback to the Agile community and 2000 hours of engagement in the Agile team. [link]

Volunteering Activity

Qiskit Textbook Localization — *Remote*

Team Leader — *May 2022 – Present*
Conducted enablement sessions for new Indonesian translators, to translate Qiskit Textbook. I have personally translated more than 35,000 words.

Google Bangkit Academy — *Remote*

Mentor — *May 2022 – June 2023*
Facilitated 10 teams by sharing knowledge and experience in machine learning implementation, product development, and business value for app development. One of the teams got incubation funding from Google and the Ministry of Research, Technology, and Higher Education of Indonesia.

Skills

Programming Frameworks	TensorFlow, Tesseract, OpenCV, Scikit-learn, Pandas, NumPy, Flask, Qiskit
Programming Languages	Python, Rust
Development Tools	PostgreSQL, MongoDB, ELK Stack, Airflow, IBM Cloud, Docker, OpenShift, Git