Hanifan Rizki Nurahman

Greater Jakarta, Indonesia

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Summary

An enthusiastic individual wh`o is tenacious in what he does. Interested in machine learning, cloud computing, and software engineering.

Work Experience

Jasa Teknologi Informasi IBM   *Jakarta, Indonesia*

Lead Data and AI Services (Full-time)   *Nov 2023 – Present*
- Led a team of 7 people for data and AI related solutions, such as data migration, data platform, and machine learning.
- Developed LLM based solution for internal article generation using watsonx.
- Developed a content-based recommender system for Application Tracking System using NLP, Flask API, and Docker.
- Led design thinking AI workshop and initiated AI internal projects.
- Implemented agile value and scrum framework for data, AI & automation teams.

Solution Architect Data and Cloud (Full-time)   *Jan 2023 – Dec 2023*
- Implement IBM Cloud Pak for Data, Watson Knowledge Catalog, Db2, and Data Stage as a unified Data Platform on top of private OpenShift Cluster to solve Data Governance issues in one of the Ministries in Indonesia.
- Led the development team to develop a 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.
- Successfully Migrated 8 Web Applications from IBM Cloud Foundry to on-premise OKD instance.
- Designed and formalized documentation template for all internal projects using WikiJS.

Data Specialist (Full-time)   *Aug 2021 – Sep 2023*
- Led a team of 3 people to manage, operate, and support Data Warehouse, Data Visualization, AI, and RPA Platform.
- Developed OCR solution to automate data extraction using Tesseract, OpenCV, Flask API, and Docker.
- Increase average airflow VPN monthly uptime from 82% to 99% by optimizing the ETL script, and utilize RPA to detect downtime and recovery automatically.
- Designed data governance that covers end-to-end data processes from various data sources to data visualization platforms.
- Speed up data extraction process by 3 times by refactoring ETL script in Python, SQL, MongoDB, Airflow, and ELK stack.
- 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 using 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]

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

Google Bangkit Academy   *Remote*

Mentor   *May 2022 – Present*

Contributed to 3 batches of Bangkit Academy and facilitated 20 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 Library	TensorFlow, Tesseract, OpenCV, Scikit-learn, Pandas, NumPy, Flask, Qiskit, Axum
Programming Languages	Python, Rust
Development Tools	PostgreSQL, MongoDB, ELK Stack, Airflow, IBM Cloud, Docker, OpenShift, Git