Raymond Dehenrich Susilo

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Summary

Junior DevOps Engineer working on release pipelines, monitoring, and Windows server operations, with a machine learning background (IEEE-published thesis, ML internship).

Education

Bina Nusantara University — Tangerang, Indonesia
Bachelor of Computer Science — September 2021 – April 2025
GPA: 3.89

Publications

V. Xavier, **R. D. Susilo**, K. Nathaniel, and A. S. Prabowo, "Multi-Task Face Attribute Detection with ResNet50 and MobileNetV3 Backbones in Faster R-CNN," *2025 International Conference on Information Management and Technology (ICIMTech)*, IEEE, pp. 674–679, 2025.
doi:10.1109/ICIMTECH67074.2025.11265049
My part: built most of the model architecture, implemented the algorithms, and did data analysis.

Experience

PT. Astra Daihatsu Motor — Jakarta, Indonesia
Machine Learning Engineer Intern — March 2024 – February 2025

- ETL & Data Integration: Designing and implementing robust ETL pipelines to ensure seamless data integration, accuracy, and accessibility for analytical purposes.
- Data Analysis: Analyzed and interpreted incoming data to uncover patterns and insights, supporting project-specific machine learning use cases.
- Data Visualization: Developed an intuitive dashboard to streamline meetings and reporting processes, providing users with analytical insight from historical data.
- Machine Learning Applications: Develop and deploy predictive models to uncover trends and enhance workflows.

PT. CreateIT Solution Indonesia — Tangerang, Indonesia
Junior DevOps Engineer — May 2026 – Now

- Designed & maintain a release flow with versioned rollbacks for production web apps.
- Set up cross-region VPS monitoring (Loki, Grafana, Tempo) with alerts to Microsoft Teams.
- Built a Flask/PostgreSQL platform on a client's RMM API for custom alert suppression and reporting.
- Patch and troubleshoot client Windows servers; wrote PowerShell health checks for hardware and backups.

Freelance — Remote
AI Data Annotator (part-time) — May 2025 – Now

- Review and compare LLM outputs, rating their accuracy, reasoning, and summaries.
- Compare models on coding tasks and review the code they generate.

Skills

Programming:	Python, SQL, `C/C++`, Java, PowerShell, HTML/CSS, Dart (Flutter)
ML & Data:	Machine Learning/Deep Learning, PyTorch, Computer Vision, Pandas, ETL, Talend, Power BI, SSAS, LangFlow
Backend:	Flask, REST APIs, Microsoft SQL, PostgreSQL, MongoDB, Web Scraping (Selenium, BeautifulSoup)
DevOps & Infra:	Docker, K3s, Argo CD, GitHub/Gitea Actions, Prometheus, Grafana, Loki, WireGuard, Linux, CLI, Git, Traefik, Nginx, Self-hosting
Soft Skills:	Time Management, Teamwork, Communication, Flexibility, Problem Solving
Languages:	Indonesian, English

Projects

Portfolio Website — raymondsusilo.com
Self-hosted personal site with project write-ups, including a model card and results for an improved thesis model.

Multi-task Faster RCNN Object Detection *Python, PyTorch* -
Implemented a PyTorch-based Faster R-CNN model capable of handling simultaneous task of predicting Gender, Age Range and Emotion in a single architecture, improving model efficiency and accuracy.

Image Description Using Vision-Transformer *Python, PyTorch* -
Building a Pytorch-based Vision Transformer model capable of generating descriptive caption on Flickr8k and COCO dataset.

Home Credit Default Prediction *Python, LightGBM, Pandas* -
Implemented a LightGBM-based model to predict the probability of loan default using complex, multi-relational customer data.

Pothole Object Detection *Python, Pytorch*
https://github.com/RaymondDehenrich/Pothole-Object-Detection
Implemented a Pytorch-based SSDLite model capable of real-time pothole detection from an image or video.

Trackery Price Tracker *Python, HTML/SCSS, JavaScript, Flask, Selenium, BeautifulSoup*
https://github.com/RaymondDehenrich/Trackery-Price-Tracker
Developed a web application to track, save and display historical prices of products from e-commerce platforms, complete with scraping pipeline and integrated database for data storage and retrieval.

MoneyBook *Flutter, Dart, SQLite*
Developed a Flutter-based Android application for digital bookkeeping, enabling users to manage income and expenses with a clean ledger-like interface.

Awards

Binusian Magna Cum Laude University of Bina Nusantara
Graduated with a GPA of 3.89 in Computer Science, recognized for outstanding academic achievement.
August 2025

Interests & Hobbies

Programming · Artificial Intelligence · Cooking · Reading · Video Games