



DIMAS ADINUGROHO

Machine Learning Engineer | MLOps

INFORMATION

📍 Jakarta, Indonesia

✉️ dimasadinugroho92@gmail.com

🗣️ IELTS - 6.5

🌐 linkedin.com/in/dimasadinugrohos

SUMMARY

Experienced MLOPs engineer, bridging the gap between data science and engineering. Working closely with Data Scientists, Data Engineers, and Software Engineers to ensure seamless integration of ML models into applications and systems. My expertise lies in designing, building and managing a production-grade and scalable AI/ML platforms that empower Data Scientists to develop and deploy machine learning models and pipelines into production effectively.

WORK EXPERIENCE

Tokopedia (under ByteDance)

Senior Machine Learning Engineer

Jan 2021 - Present (4 years)

Built and managed the lifecycle of machine learning models from development to production, ensuring effective deployment and continuous improvement:

- Created Kubernetes manifests, contributing to 40% reduction in complexities for model deployment.
- Streamlined the CI/CD process with Jenkins and ArgoCD, reducing build and deployment times.
- Initiated an optimization cloud resources project, which reducing the k8s cluster resource CPU and memory usage overall.
- Implemented and managed Prometheus and Grafana for API monitoring and alerting, thus improved service and model observability.
- Maintained highly available deployment platforms through Kubernetes cluster management (upgrades, updates, monitoring).
- Developed custom Airflow operators to orchestrate distributed ML training and automate model retraining processes. This significantly improved model training process, enabling faster and continuous improvement.
- Developed and implemented an SDK library used by Data Scientist, faster iteration thus reducing time-to-deploy (TTD) from ML model development (API and Pipeline) to deployment.
- Collaborated with other tech stakeholders and standardized the migration process from Toko Infra to ByteDance Infra.

Tech stack: Mlflow, Apache Airflow, Apache Hadoop, Google Kubernetes Engine (GKE), Google Cloud Platform (GCP), MLOps, Python, Machine Learning, REST/gRPC.

RTS

Backend Engineer

Jan 2019 - Oct 2020 (1 year 3 months)

- Developed and Integrated third-party API of digital products (PPOB), such as mobile credits top-up, online payment, voucher.
- Integrated third-party API of payment gateway (various payment method) to ensure seamless transactions process.
- Established and Maintained a Continuous Integration/Continuous Delivery process using Azure DevOps for building, testing and deploying backend applications.

Tech stack: Azure DevOps, NodeJS, ExpressJS, MySQL

Dattbot

Backend Engineer

Oct 2016 – Dec 2018 (2 years 3 months)


- Maintained backend Infrastructure in AWS, manage the cost by creating a cost alerting and cost monitoring, leading to saving infrastructure cost.
- Adopted Infrastructure as Code (IaC) method to manage Infrastructure to increase efficiency using Terraform.
- Established and Maintained a Continuous Integration/Continuous Delivery process using Gitlab for building, testing and deploying backend applications and infrastructure.
- Developed a backend application using AWS Lambda and Amazon API Gateway

Tech stack: Django Framework, DevOps, Amazon Web Services (AWS), Jenkins, Python


SKILLS

- **Programming Language:** Python and Go
- **Cloud Computing Provider:** GCP and AWS
- **Tools:** Docker, Kubernetes, Terraform, Airflow, and New Relic
- **CI/CD:** Github Actions and Jenkins
- **Big Data Tools:** Apache Hadoop, Hive, Kafka, and Flink.
- **Deep Learning Framework:** Tensorflow

CERTIFICATIONS

 **Linux Foundation:** Certified Kubernetes Application Developer (CKAD)

 **Google Cloud:** Google Cloud Engineer

 **Online Course, Udacity:** Machine Learning Nanodegree

 **Coursera:** Stanford Machine Learning Specialization

EDUCATION

 **Bandung Institute of Technology:** Bachelor of Electrical Engineer (GPA: 3.14 / 4)