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EXPERIENCE

Engineering Specialist (AI/ML)

LinkAja

January 2022 - Present

Indonesia

- Involved in company operation cost efficiency initiatives by reducing 38% or 25K USD monthly GCP cost at Big Data group with more effective and efficient use of resources (BigQuery, Firestore, GCE, GCS, Cloud VPC, etc.).
- Prevent disbursement to fraudulent accounts using face search system with monthly value of up to 16K USD.
- Transform production AI/ML models to serving mechanisms with KServe and Triton Inference Server. Using IaC and continuous deployment with Helm, Terraform and ArgoCD.

Senior Engineer (AI/ML)

LinkAja

May 2020 - December 2021

Indonesia

- Go-to person for AI/ML production system at largest SOE fintech startup in Indonesia (backed by BNI, BRI, BTN, Mandiri, Telkomsel, Pertamina, etc.).
- Developed initial AI/ML platform for eKYC, customer segmentation, fraud detection and credit scoring for over 80 million users and up to 8 million inference requests monthly. Using Python, Kubernetes, GPUs, Keras, TensorFlow, PyTorch, etc.
- Reduced eKYC manual validation efforts by up to 20%. Add new revenue stream with credit scoring service.

Software Engineer (Cloud Platform)

Nodeflux

December 2018 - May 2020

Indonesia

- Hired before graduation in the largest computer vision AI company in Indonesia (NVIDIA Partner and ranked 25th worldwide in NIST FRVT).
- Developed initial cloud platform for deep learning analytics with the entire documentation site for eKYC, license plate recognition, vehicle detection, planogram detection, etc. Using Go, Python, Kubernetes, GPUs, gRPC, etc.
- Build COVID-19 public mobility monitoring system on top of 2600+ CCTVs across Jakarta and Bandung.

Software Engineering Intern (Backend)

Nodeflux

July 2018 - August 2018

Indonesia

- Benchmark object-detection systems and video streaming protocols with decoders.

Technical Lead & Co-founder

Replus

July 2017 - May 2020

Indonesia

- Established a startup (PT) before graduation, supported with over 50K USD from multiple competitions and sponsors (DIIB UI, Ministry of Research and Technology, Astra International, DIGITARAYA, AWS and Google Cloud).
- Led software engineering team to deliver PWA application with near real-time IoT integration using JavaScript, Polymer, MQTT, Google Cloud, etc. Produce over 500 IoT devices.

EDUCATION

Bachelor of Science, University of Indonesia

August 2015 - August 2019

Physics Major, System and Instrumentation Minor. Nominated for the most outstanding student award, conducted research in hyperspectral computer vision, member of University of Indonesia Robotics Team (TRUI).

Awards: Selected PPBT Startup Funding (worth 22K USD), NYALA Smart Energy Hackathon (2nd National), App Innovation Challenge Compfest 9 (Finalist National), KRAI (ABU ROBOCON) Robotics Competition (2nd Regional 2 Level).

VOLUNTEERING

Community Group Organizer and Speaker

Cloud Native Computing Foundation (CNCF)

January 2020 - Present

Indonesia

SKILLS

Programming Languages Technologies

Python, JavaScript, Go and C
REST, gRPC, MQTT, Git, Kubernetes, FastAPI, Terraform, TensorFlow, PyTorch and GCP

CERTIFICATES

EF SET English (C2 Proficient), Triplebyte Backend Engineering (Level 3 Proficient), Google Foundations of Project Management.