

MUHAMMAD NAUFAL

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PROFESSIONAL EXPERIENCE

PROTERGO SIBER SECURITY

Jakarta, Indonesia

Software Engineer

2023 - Present

Responsible for maintaining existing security tools, creating new security tools based on client needs and enhanced existing security tools to modern, fast and more flexible with current tech stack. Also creating SaaS product based on existing security tools with the team

- Build and maintain security tools with Django and PostgreSQL
- Build and maintain REST API security monitoring tools for blue team (SOC) with Flask and Elasticsearch
- Build and maintain security SaaS platform with Next.js, Flask and Elasticsearch
- Integrating REST API to SIEM (Security Information and Event Management) tools
- Implement Docker for development and deployment

BMG INDONESIA

Jakarta, Indonesia

Software Engineer

2022

Odoo Developer

2023

BMG Indonesia is a dedicated client for a Japanese retail company (USMH) in Indonesia. Responsible for maintaining some odoo modules such as approval, HR, expense and inventory and build (and customize based on client needs) for the helpdesk module (2023). Also assigned to handle REST API for their product and processing their billion data of inventory (2022)

- Build scalable and maintainable odoo module also maintain and optimize existing odoo module which created by another vendor
- Build scalable and maintainable services also maintain and optimize it for service which created by another team or another vendor
- Handle preprocessing of billions inventory data with PostgreSQL and BigQuery also maintain and optimize existing SQL queries for it
- Help data analyst to visualize processed of billions inventory data to dashboard with Metabase and PowerBI
- Implement Docker as the container for some services and some odoo module for development and deployment environment also deploy it on Cloud Platform (Azure and AWS) for staging and production environment
- Collaborate with QA and Functional team to deliver features and improvements to client and collaborate with another team member in Overseas (Vietnam and Japan)

BANGKIT ACADEMY LED BY GOOGLE, TOKOPEDIA, GOJEK, & TRAVELOKA

Jakarta, Indonesia

Machine Learning Intern

2021

- Build machine learning model from scratch with Scikit-Learn and TensorFlow
- Maintain and improve existing open source Machine Learning models (transfer learning) with our own data
- Do a deployment machine learning model on the web with tf-js and the mobile with tf-lite
- Build REST API to communicate the Machine Learning model with external apps
- Implement Docker to deploy machine learning service with flask

EDUCATION

SYARIF HIDAYATULLAH JAKARTA STATE ISLAMIC UNIVERSITIES

Jakarta, Indonesia

Bachelor of Science, Focused in Instrumentation and Computational Physics

2017 - 2021

- GPA (3.8)

ADDITIONAL INFORMATION

- Technical Skills: Language (Python, JavaScript, TypeScript, PHP, Go, Bash, HTML, CSS), Framework (jQuery, ExpressJS, NextJS, NestJS, Laravel, CodeIgniter, Django, Flask, FastAPI), Odoo, SQL (PostgreSQL, MySQL), NoSQL (Elasticsearch), Linux, Docker, Machine Learning, Data Engineering, Scraping, Automation
- Languages: Indonesia (native), English (professional)
- Certifications: TensorFlow Developer Certification, Google IT Automation with Python, Google IT Support