

Nitho Alif Ibadurrahman

A tech-savvy professional and curious individual with extensive experiences working with software development, distributed systems, and computer networks.

EXPERIENCE

Google, Dublin (IE) — Systems Engineer, Site Reliability Engineering

August 2022 - March 2025

Google is one of the largest technology companies specializing in internet-related services and products. My responsibilities include maintaining (BGP) peering links between Google and its peers, developing safety checks for network device maintenance, and participating in an on-call rotation to ensure the network's stability. My last project was an initiative to implement logging standards that all services and automation must follow when making network changes, such as draining or repairing links. The goal was to create a unified view of all network changes. This resulted in the significantly mean time to detect (MTTD) for the on-caller.

Gravel Technology, Remote — DevOps/Backend Engineer

June 2020 - November 2020, June 2021 - July 2022

Gravel was an early-stage startup aiming to disrupt Indonesia's largely untapped construction industry. I designed the entire technical infrastructure from the ground up, including Kubernetes, PostgreSQL, and RabbitMQ clusters. Additionally, I set up the QA automation pipeline for web and mobile platforms and managed day-to-day operations, such as SLO monitoring and troubleshooting.

Bukalapak.com, Jakarta (ID) — Site Reliability/System Engineer

October 2017 - August 2019

Bukalapak was one of Indonesia's largest e-commerce platforms, with over 6 million online sellers. I contributed to a standardized instrumentation middlewares/libraries for Bukalapak's main monolith application which resulted in connection optimizations and tuned performance. I also designed the load balancer configurations changes pipeline and assisted with the on-premise to public cloud migration.

EDUCATION

EIT Digital Master School, European Union — M.Sc in Cloud and Network Infrastructure

August 2019 - June 2022

Entry University: Université de Rennes 1, Rennes (France)

Exit University: Technische Universität Berlin, Berlin (Germany)

Institut Teknologi Bandung, Indonesia — B.Sc in Informatics/Computer Science

August 2013 - October 2017

Thesis: Auto-Scaling System for Docker-based Service

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KNOWLEDGE & SKILLS

Golang, Java, C/C++, Python, Bash, Git,
CI/CD (e.g. Gitlab CI), Linux/BSD, GCP,
AWS, Kubernetes, Ansible, Terraform,
SQL, NoSQL (KV, Document, etc.),
Monitoring (e.g. Prometheus), System
Design/Troubleshooting, Software
Development, Network Administration

AWARDS

1st Place in Hack the Fog! Hackathon

FogGuru Project - 2021

3rd Place in Cyber Defense Competition

Ministry of Defense of the Republic of
Indonesia - 2016

2nd Place in Network and Information Security Contest

GEMASTIK 9 - 2016

LANGUAGES

English, Indonesian