Luqman Setyo Nugroho

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EXPERIENCES

Backend Engineer, Apprentice   **Accelbyte**   Mar 2021 - July 2021 | Remote

Joined the Load test team
- Monitor and analyze load test result using APM tools
- Refactor and optimize the existing system based on the load test result
- Optimizing service X, reducing query latency p99 from 4s to under 100ms
- Reducing MongoDB CPU usage of service Y, from over 99% to under 50%
- Wrote an open-source library for Kubernetes health check, used by all Golang backend services

Backend Engineer, Intern   **Garena Indonesia**   Dec 2019 - Nov 2020 | Jakarta, ID

- Developing game transaction system and API for an in-game web event
- Application testing (unit, integration, and stress test)
- Integrate with 3rd party Game API
- Managing deployment on Kubernetes
- Handling 14 projects, with daily visits for each event ranging from 40K to over 200K visitors

Web Developer, Intern   **UCC Prima**   Jan 2019 - Feb 2019 | Semarang, ID

- Develop customer and reservation services for University's ICT buildings room management system
- Totally changed paper based reservation management to integrated online based management

SKILLS

- **Language & Framework**: Golang, Python (Django), PHP (Laravel, CI)
- **Database** : MySQL, MongoDB, Redis, Elasticsearch
- **Others**: Git, Docker, Kubernetes, RabbitMQ, Kafka, Celery, Locust, Elastic APM

EDUCATION

Diponegoro University, Bachelor of Engineering   Aug 2017 - Present | Semarang, ID

- Major in Computer Engineering (GPA 3.75), expected to graduate in Sept 2021
- Lab Assistant in Network and Security Lab & Software Engineering Lab.

ACHIEVEMENTS

- 3rd Runner-up Humanoid Soccer Robot Contest Regional 2 - Ministry of Education and Culture x ITB, Sept 2020
- Finalist Gemastik 13 - IT Scientific Writing - Telkom University, Nov 2020
- Finalist Hackathon Impact Interfest - Telkom University, Nov 2019
- Finalist National Humanoid Soccer Robot Contest - Ministry of Research and Higher Education x Udinus, 2019
- 3rd Runner-up Humanoid Soccer Robot Contest Regional 3 - Min. of Research and Higher Education x Unsoed, 2019
- Awardee of KSE Foundation Scholarship - Karya Salemba Empat Foundation, 2020-2021
- Awardee of Bakti BCA Scholarship - Bank Central Asia 2019

OTHER ACTIVITY

Research
Undip Robotics Development Center | Humanoid Robot Division   2018 - 2020

Working to create autonomous humanoid robot. A robot which aim is to mimics human playing soccer.
Research Area : Computer vision and robotics software architecture.

Organization
Computer Engineering Research Club - Sistem Komputer Undip | Lead   2018 - 2020
- Introducing the latest technology and conducting peer to peer learning for club member

PROJECTS

Gosty (Thesis Project) (https://github.com/luqmansen/gosty)
A scalable transcoding service on Kubernetes (Stack: Kubernetes,GKE, Golang, RabbitMQ, Mongodb)

Garena Intern Projects (http://bit.ly/garena-intern-portfolio)
I've worked on 14 projects for my Intern as a backend web engineer at Garena Indonesia. This is some documented list of the project. (Stack: Django, DRF, MySQL, Redis, Kubernetes, Docker, Celery)