NUR AHSAN ADZIM

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EXPERIENCE

PT. Boer Technology - Bogor, Indonesia

Cloud Engineer   *Jun 2022 – Present*

- Managed and maintained over 1900 virtual machine instances across 13 tenants in a Virtual Private Cloud (OpenStack), troubleshooting related issues.
- Performed administration tasks for Kubernetes clusters.
- Monitored cloud status and virtual machines within the VPC using Prometheus, Loki, Grafana, and various exporters.
- Automated reporting and documentation for VPC and Kubernetes clusters using Bash and Python scripts.
- Analyzed monitoring data to gain insights.
- Managed the local repository for users within the VPC.
- Coordinated with the development team to address system and service issues.
- Documented components and issues occurring within the VPC.
- Anticipated and mitigated risks within defined Service Level Agreements (SLAs).

PT. Indo Xetia Internasional - Balikpapan, Indonesia (Remote)

Part-Time Backend Engineer   *Nov 2021 – Mar 2022*

- Developed Point Service to provide a bonus system for user purchases.
- Integrated microservices with other company microservices using JWT authentication and RPC protocol (RabbitMQ).
- Developed applications in a local environment using Docker Compose and WSL.
- Collaborated as a team using Git, GitHub, and the Gitflow branching model.
- Utilized FastAPI, Tortoise-ORM, and PostgreSQL for development.

PT. Tenstronic Teknologi Indonesia - Makassar, Indonesia

Backend Engineer   *May 2021 – Aug 2021*

- Enabled communication between backend (Django), database (MongoDB), and broker (MQTT) for a smart home dashboard.
- Provided APIs with token authentication using Django REST.
- Displayed data from the backend to the frontend using Flotchart for graphical representation.

EDUCATION

Politeknik Negeri Ujung Pandang (PNUP) - Makassar, Indonesia   *Aug 2017 – Aug 2021*

Bachelor of Applied Science Computer and Network Engineer.

- Thesis Project: *Performance Analysis of DLib on Multi-Object Drowsiness Detection System.*
  - Measured the performance of the DLib library along with OpenCV by developing a new drowsiness detector.
  - The drowsiness detector works by detecting face objects, tracking centroid objects, and counting eye and mouth aspect ratios to detect drowsiness.

LEADERSHIP

Seminar Nasional dan Workshop Cyber Offensive Security (RETAS) - Makassar, Indonesia

Event Committee   *May 2019 – Oct 2019*

- Organized a national event with 500+ participants held on 12-13 October 2019 at Politeknik Negeri Ujung Pandang.

Computer and Network Community PNUP - Makassar, Indonesia

Vice Chairman of Programming Division   *Oct 2019 – Oct 2020*

- Organized and facilitated routine community activities, providing learning materials and workshops.

TRAINING AND CERTIFICATION

- Web Programmer; Junior Network Administrator - Lembaga Sertifikasi Profesi BNSP
- Linux System Administration; Openstack Administration; Kubernetes Administration - Adinusa Path Cloud Engineer
- Level D - Test of Practical Japanese (J.TEST)