NUR AHSAN ADZIM

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I have been engaged in software development since college, specializing in backend engineering across both monolithic and microservices architectures. I also have over two years of experience in IT operations, managing Linux servers, Kubernetes clusters, and various monitoring tools. My expertise bridges both development and operations, enabling me to collaborate effectively across teams and ensure seamless system performance.

EXPERIENCE

PT Boer Technology – Bogor and Jakarta Selatan, Indonesia

Cloud Engineer – Full Time   *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)

Backend Engineer – Part Time   *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 – Part Time   *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 drowsiness detector that detects face objects, tracks centroid objects, and counts eye and mouth aspect ratios to identify 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.

CERTIFICATION

- Web Programmer – National Professional Certification Agency (BNSP) Republic of Indonesia   *Oct 2021*
- Level D – Test of Practical Japanese (J.TEST)   *Apr 2024*
- N4 – Japanese Language Proficiency Test (JLPT)   *Aug 2024*
- N3 – Japanese Language Proficiency Test (JLPT)   *Jan 2025*