ERSA AZIS MANSYUR

SENIOR DEVSECOPS ENGINEER



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SKILLS

- Kubernetes
- Containers
- Cloud Platforms
- Infrastructure as Code
- CI/CD Pipelines
- Git & GitOps
- Linux/Unix Administration
- Scripting
- Networking
- Monitoring & Observability
- Logging & Tracing
- Security Scanning
- Code Quality Scanning

TOOLS

Docker, Kubernetes, Terraform, Ansible, Prometheus, Loki, Tempo, Mimir, Alloy, Grafana, GitHub Actions, GitLab CI, Jenkins, Argo CD, Helm, SonarQube, Snyk, Vault, n8n, PHP, Python, Go, MySQL, PostgreSQL, Elasticsearch, MongoDB, KDB+, Bash, Nginx, Debian, Ubuntu, Proxmox, Redis, RabbitMQ, OpenTelemetry

PROFILE

Senior DevSecOps Engineer with extensive experience in **architecting highly scalable and secure cloud infrastructures** for general software hosting and high-growth environments. Driven by **high learning agility and a passion for emerging technologies**, I have a proven track record of rapidly mastering and securing diverse platforms, from traditional web applications to AI and Web3 (ICP) ecosystems. Expert in accelerating deployment speed through automated **CI/CD** and **AI/Data pipeline orchestration**, **while enforcing rigorous security protocols**. Advanced proficiency in **Kubernetes** and the **LGTM observability stack** to enhance system reliability and **minimize incident resolution time from hours to minutes**. Focused on continuous innovation, automation, and maintaining high availability for large-scale, complex applications.

WORK EXPERIENCE

Planned Career Break September 2025 - Present

Senior DevSecOps Engineer March 2025 - August 2025

Bitwyre Systematic Trading FZCO

- Automated CI/CD pipelines, reducing release time to under 2 minutes and significantly increasing deployment frequency and overall development efficiency.
- Orchestrated the zero-downtime migration of 20+ services to a new cloud provider using Terraform and Ansible, standardizing infrastructure and dramatically accelerating setup time.
- Managed and maintained Kubernetes clusters for application deployment, scaling, and high availability, ensuring consistent system reliability.
- Optimized AWS infrastructure, including provisioning, monitoring, and cloud resource management to ensure stability and performance.
- Implemented the LGTM stack (Loki, Grafana, Tempo, Mimir) for integrated observability, reducing investigation time from hours to minutes through centralized logging and distributed tracing.

DevSecOps Engineer November 2023 - March 2025

CHRONICLE PTY LTD

- Integrated automated Code Quality (SonarQube) and Security Scanning (Snyk) into the CI/CD pipelines within the SDLC to ensure security best practices.
- Built multi-country cloud infrastructure in Australia and the US to ensure compliance with local regulations.
- Leveraged GitHub Actions for seamless and automated deployments, improving cloud environment stability and performance.
- Configured and maintained Docker Swarm, Nginx, and observability tools (Loki, Prometheus) to support reliable application operations.
- Managed AI development environments, including Label Studio and notebook servers, to support AI engineering collaboration.

WORK EXPERIENCE

Lead DevOps Engineer October 2022 - November 2023

PT Indoglobal Nusa Persada

- Led the migration from monolithic to microservices architecture, enabling the system to scale and handle thousands of concurrent users, directly contributing to increased company revenue.
- Established CI/CD workflows using GitLabCI and Forge, significantly reducing manual deployment overhead.
- Monitored and maintained a hybrid environment of cloud and on-premise servers.
- Deployed various applications including Kubernetes, Proxmox, and the Prometheus/Loki stack to ensure smooth operational flow.

DevOps Engineer October 2021 - October 2022

PT Indoglobal Nusa Persada

- Managed CI/CD pipelines via GitLabCI and maintained server health across cloud and on-premise infrastructure.
- Configured core infrastructure tools including Kubernetes, Nginx, and monitoring systems.

Web Developer & IT Operations Engineer 2021

Ministry of Religious Affairs of Indonesia

- Designed and developed a scalable web application and database schema to streamline the fund disbursement process for the 'Program Indonesia Pintar,' ensuring data integrity for thousands of recipients.
- Coordinated with cross-functional development teams to ensure project milestones were met according to technical specifications and government regulations.
- Collaborated with DevOps engineers to design and implement initial CI/CD pipelines and cloud infrastructure, reducing manual deployment efforts.

EDUCATION

Informatics Engineering

State Islamic University of Sunan Gunung Djati - Bandung Indonesia

Computer And Network Engineering

Medikacom - Bandung Indonesia

LANGUAGES

English

Professional Working

Indonesian

Native

CERTIFICATIONS

CNSS Certified Network Security Specialist

International Cyber Security Institute (ICSI) - 2020

Cyber Security Awareness Certificate

Cyber Army Indonesia - 2018

Server Administration Competency Certification

PT Comtronics Systems - 2016

ACHIEVEMENTS

2nd Runner Up, AGI Hackathon - 2024

Led AI pipeline orchestration and security implementation for seamless model integration.

Participant, ICP Hackathon - 2024

Developed DApps and researched Web3 deployment strategies on the Internet Computer Protocol.

3rd Place, National Data Science Tournament - 2023

Engineered robust data pipelines and enforced security protocols for large-scale datasets.

APPENDIX

CERTIFICATIONS







ACHIEVEMENTS







WORKING AT BITWYRE SYSTEMATIC TRADING FZCO





WORKING AT CHRONICLE PTY LTD







WORKING AT PT INDOGLOBAL NUSA PERSADA



