

# NOVIAN DENY CAHYO AJI

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**SUMMARY** — A versatile Site Reliability / DevOps Engineer with over 2 years of experience managing multiple Kubernetes clusters and a solid 3 years of background in software development. Proven expertise in optimizing, automating, and securing cloud infrastructures, coupled with a strong foundation in coding and system design. Committed to leveraging technical skills to drive operational efficiency and enhance system reliability.

## TECHNICAL COMPETENCIES

<b>Container</b> Kubernetes, Docker	<b>Automation</b> Github Actions, Jenkins, Ansible, Terraform
<b>Cloud</b> GCP, Tencent	<b>Scripting</b> Golang, Python, Bash, Javascript
<b>Monitoring</b> Grafana, Prometheus, Victoria Metrics	<b>API Gateway</b> Kong, Ambassador, Ingress Nginx
<b>Alerting</b> Alert Manager	<b>CDN</b> Cloudflare, Akamai, Tencent
<b>Logging</b> Loki	

## RECENT EXPERIENCE

**Ruangguru** Jan 2023 – Current  
*Site Reliability Engineer / DevOps*

- Managed multiple Kubernetes clusters across multiple cloud providers.
- Setup and maintain alerting, logging, and monitoring systems.
- Collaborated with the development team to enhance developer experience and productivity.
- Conducted research and development focused on automation and improving developer experience.
- Achieved 15-60% cost savings on GKE clusters by rightsizing over 1000 Kubernetes deployment resource requests and their node pools.
- Migrated image registry for over 1000 Kubernetes deployments from Google Container Registry to Google Artifact Registry, reducing network and storage costs by up to 30
- Prevented a potential 10x cost increase by automating the monitoring and cleanup of unused images from 700+ Kubernetes deployments.
- Developed a tool for generating resource recommendations for Kubernetes deployments.
- Created a tool to automatically list and label our cloud workload, improving cost and workload visibility.
- Enhanced microservice security by identifying several vulnerabilities, including misconfigurations and a risk leading to account takeover.

**Ruangguru** Apr 2022 – Dec 2022  
*Software Engineer (Backend)*

- Automated the grading process for 120+ assignments for 400+ students per batch in the Kampus Merdeka program, a backend and frontend engineering bootcamp for college students.
- Streamlined student score calculation by integrating data ingestion into BigQuery with Google Spreadsheet and Data Studio for visualization.
- Developed a plagiarism detection system using hash-based checking and integrating Treesitter and AC2.

**Ruangguru** Jan 2022 – Apr 2022  
*Software Engineer Intern (Backend)*

- Researched about speeding up the software development process via code generators, libraries, etc.

**Mechlab** Dec 2020 – Dec 2021  
*Back End Developer*

- Developed micro services (for e-KYC) and managed deployment using Kubernetes.
- Conducted basic penetration testing.
- Setup PostgreSQL replication to improve data availability.

**DPKM UGM** Jul 2019 – Dec 2021  
*Web Developer*

- Developed and maintained various information systems.

## EDUCATION

**Gadjah Mada University**  
*Bachelor of Computer Science*  
GPA: 3.76