



JUNI YADI

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SUMMARY

Results-driven Cloud DevOps Engineer with 4+ years of experience specializing in cloud infrastructure automation, Kubernetes orchestration, and CI/CD pipeline development. Expertise in AWS, Kubernetes, Terraform, Ansible, and security best practices to optimize system performance and reliability. Proven track record of implementing cost-efficient cloud solutions, reducing infrastructure costs by over 60%, cut deployment times by 40%, and enhancing security through automated compliance checks. Passionate about designing scalable, resilient architectures and streamlining workflows to improve operational efficiency.

SOCIAL

[in](#) juniyadi [t](#) JuniYadi [globe](#) juniyadi.id

PROFESSIONAL EXPERIENCE

Lead DevOps Engineer

Aug 2024 - Present

PT. Pintar Pemenang Asia, Jakarta, Indonesia

- Spearheaded the DevOps team to enhance automation, security, and infrastructure reliability across multiple environments.
- Designed and optimized AWS EKS clusters using auto-scaling, Spot Instances, and Terraform, improving cost efficiency and reliability by 30%.
- Built and managed GitOps-based CI/CD pipelines using ArgoCD, Jenkins, Terraform, and Ansible, enabling automated zero-downtime deployments.
- Optimized build and deployment times for Java & Node.js applications by fine-tuning Jenkins pipelines, caching dependencies, and parallelizing builds, reducing deployment time by 80%.
- Integrated SonarQube for automated security scanning & code quality checks, ensuring vulnerabilities are fixed before deployment.
- Implemented Istio service mesh with mTLS for secure service-to-service communication, traffic control, and observability in microservices.
- Developed real-time monitoring & observability by integrating AWS CloudWatch, Prometheus, and Discord log alerts, reducing incident response time by 50%.
- Optimized and scaled Jitsi infrastructure for Prakerja (Government Program), ensuring seamless video conferencing for thousands of users.
- Led network observability and traffic control improvements using Istio and Kiali, enhancing performance and debugging capabilities.
- Configured AWS ALB Ingress Controller for secure SSL termination & path-based routing to expose microservices efficiently.
- Integrated Elastic Cloud for log monitoring and APM for anomaly detection, improving troubleshooting and performance analysis.
- Enabled centralized logging with Fluent Bit, ELK Stack (Elasticsearch, Logstash, Kibana), enhancing log insights and system debugging.
- Reduced infrastructure costs by migrating Java microservices from x86_64 to ARM architecture using AWS Graviton.
- Assisted in integrating AWS infrastructure with client environments on Azure, ensuring seamless interoperability.
- Collaborated with Product Teams to develop real-time dashboards in AWS QuickSight, providing critical insights into application performance and user behavior.

DevOps Engineer

Aug 2022 - Aug 2024

PT. Pintar Pemenang Asia, Jakarta, Indonesia

- Reduced AWS costs by 40% within the first three months through resource optimization and instance right-sizing.
- Designed and built scalable AWS infrastructure, implementing autoscaling, cost optimization strategies, and microservices architecture.
- Lowered bandwidth costs by 90% for internal applications by leveraging AWS VPC Endpoints, optimizing traffic routing, and implementing caching mechanisms.
- Reduced storage costs by 60% by implementing the correct S3 storage classes based on usage patterns.
- Automated manual infrastructure tasks using Terraform, Ansible, Bash scripts, and Python, improving operational efficiency and reducing manual work.
- Developed internal DevOps tools using AWS Lambda, API Gateway, and AWS SNS to monitor AWS SES bounce and complaint rates for proactive email deliverability management.
- Integrated microservices with AWS Lambda using Python and TypeScript to build efficient internal automation tools.
- Created and managed Java Spring Boot microservices deployments on AWS EKS, ensuring high availability and auto-scaling.
- Designed and deployed an uptime monitoring system with real-time alerting, capable of detecting downtime and sending alerts within one second.
- Set up and configured Teleport for secure SSH access, internal application authentication, access control, and monitoring, ensuring compliance and security.
- Created Ansible scripts to integrate multiple DevOps tools and tested them in a controlled development environment.
- Migrated legacy tools (manual deployments) to Helm charts, streamlining updates and maintenance for better Kubernetes (EKS) application management.
- Managed and monitored Kubernetes infrastructure using Rancher, ensuring EKS cluster stability, workload performance, and security.
- Designed and deployed a scalable Jitsi video conferencing infrastructure for the Prakerja Program, optimizing storage costs for recordings by 50%.

DevOps Engineer

Jul 2021 - Aug 2022

PT. Aku Cinta Memiles, Jakarta, Indonesia

- Built and managed scalable AWS infrastructure for production environments, improving system reliability.
- Migrated a traditional database to AWS, ensuring high availability and scalability to handle thousands of users during promotional events.
- Configured and optimized Nginx servers for Laravel and Next.js applications, improving response times and resource efficiency.
- Implemented Redis as a caching layer, significantly reducing database load and improving system performance.
- Migrated system from a single-instance to a multi-instance architecture, resolving I/O bottlenecks and increasing resilience.
- Designed and deployed a CI/CD pipeline using GitHub Actions, automating deployments across all existing repositories.
- Automated infrastructure provisioning using Ansible, reducing manual setup time and improving consistency.
- Managed RDS databases with automated backups, monitoring, and performance optimization.
- Performed safe database migrations, ensuring schema updates were executed securely through version-controlled repositories.
- Upgraded system notifications using AWS SES, enhancing email reliability and reducing delivery failures.
- Conducted frequent system updates and vulnerability scans, strengthening security and reducing risks.

Backend Development and Cloud/Serverless Architecture

May 2019 - Jul 2021

Pojokan Projects, Indonesia (Remote)

- Developed and maintained serverless backend systems using PHP, Node.js, and TypeScript, leveraging AWS Lambda, API Gateway, and DynamoDB for cost-efficient scalability.
- Optimized serverless architectures to reduce costs during idle periods while maintaining high availability for applications in hospital surveys, education platforms, and restaurant management systems.
- Designed and implemented CI/CD pipelines using GitHub Actions, automating deployments for seamless application updates.
- Built and integrated AWS Chime to enable reliable and scalable online communication features.
- Managed and optimized Amazon S3 object storage for faster access and cost reduction.
- Utilized Serverless Framework to manage and maintain AWS Lambda functions and associated resources, ensuring efficient IAM policy attachments.
- Designed and implemented DNS management solutions using Amazon Route 53 and Cloudflare, ensuring high availability and low latency.
- Implemented secure authentication and authorization mechanisms using OAuth2, JWT, and AWS IAM, ensuring robust access control.
- Collaborated with cross-functional teams to deliver high-quality software solutions, including front-end engineers, product managers, and designers.

EDUCATION

Bachelor's of Informatics Engineering

Jun 2022 - Present

University Widya Kartika, Surabaya, Indonesia

SKILLS

Ansible, ArgoCD, AWS, AWS IAM, AWS EC2, AWS S3, AWS RDS, AWS DynamoDB, AWS VPC, AWS Route 53, AWS Lambda, AWS API Gateway, AWS CloudFront, AWS ALB, AWS NLB, AWS EKS, AWS CloudFormation, AWS Terraform, AWS CloudWatch, AWS Secrets Manager, AWS Systems Manager, AWS Auto Scaling, AWS EventBridge, AWS SNS, AWS SQS, AWS QuickSight, Bash Script, CloudWatch, Container Orchestration, Datadog, Docker, Elasticsearch, ELK Stack, Fluentbit, GitHub Actions, GitOps, Grafana, HAProxy, Helm, Istio, Javascript, Jenkins, Jitsi, Kibana, Kubernetes, MongoDB, MySQL, Nginx, Podman, PostgreSQL, Pritunl, Prometheus, Pulumi, Python, RabbitMQ, Redis, Serverless Framework, SST Framework, Sonarqube, Terraform, Teleport, Trivy, Typescript, Vault, VPN

CERTIFICATES & AWARDS

AWS Certified Cloud Practitioner

Apr 2024

AWS Certified SysOps Administrator – Associate

Nov 2022

AWS Academy Graduate - AWS Academy Cloud Operations

Oct 2022

LANGUAGES

Indonesia

Native or Bilingual Proficiency

English

Professional Working Proficiency