

# Avecena Basuni

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## PROFESSIONAL SUMMARY

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Site Reliability Engineer (SRE) with strong observability expertise and 3+ years of experience in DevOps, cloud infrastructure, and production systems. Proven track record supporting 76+ production observability deployments across Financial Services, Telecommunications, Government, BUMN, and enterprise sectors. Combines AWS Solutions Architect certification with hands-on expertise in Kubernetes orchestration, CI/CD automation, multi-cloud infrastructure (AWS, Azure, GCP), and comprehensive monitoring solutions. Skilled in Python automation, infrastructure as code, incident response, and cross-functional stakeholder collaboration.

## TECHNICAL SKILLS

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- **Cloud & Infrastructure:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure, Multi-Cloud Architecture, Nutanix Hyperconverged Infrastructure (HCI), Virtualization (VMware, KVM), High Availability (HA) Design, Disaster Recovery (DR)
- **Container Orchestration & Microservices:** Kubernetes, Google Kubernetes Engine (GKE), Nutanix Kubernetes Platform (NKP), Docker, Helm Charts, Kubernetes Manifests, Service Mesh (Istio), Pod Troubleshooting, Ingress Controllers, Secrets Management
- **DevOps & Automation:** CI/CD Pipelines (Jenkins), Infrastructure as Code (Terraform, Ansible, AWS CloudFormation), Git Version Control, Configuration Management, Docker Build Automation, Deployment Automation, Python Scripting, Bash/Shell Scripting
- **Observability & Monitoring:** New Relic (APM, Infrastructure, Logs), Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), OpenTelemetry, Distributed Tracing, Application Performance Monitoring (APM), Infrastructure Monitoring, Log Aggregation, Custom Metrics, SNMP, Network Flow Collectors, Real-time Alerting
- **Message Queuing & Databases:** Apache Kafka, RabbitMQ, PostgreSQL, Microsoft SQL Server, Oracle Database, Database Administration, Automated Backups, Query Performance Tuning, Veeam Backup
- **Operating Systems & Enterprise Platforms:** Linux Server Administration (Ubuntu, CentOS), Windows Server, Active Directory, Microsoft Exchange, SharePoint, Microsoft 365, Proxy Servers
- **Programming & Scripting:** Python (Automation, Monitoring, Scripting), Bash/Shell Scripting, SQL, C/C++ (Embedded Systems)

## PROFESSIONAL EXPERIENCE

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### TECHNICAL PRODUCT SPECIALIST (SRE AND OBSERVABILITY) | PT Berca Hardayaperkasa

*March 2024 – Present*

- Engineered and deployed production observability solutions for 76+ enterprise clients across Financial Services, Telecommunications, Government, BUMN, and commercial sectors, implementing full-stack monitoring for distributed systems including Kubernetes, Apache Kafka, RabbitMQ, and PostgreSQL on AWS, Azure, GCP, and on-premises.
- Architected High Availability (HA) infrastructure solutions using Nutanix Hyperconverged Infrastructure (HCI) for mission-critical applications, ensuring 99.9%+ uptime SLAs and business continuity.
- Deployed and managed Kubernetes production workloads on Google Kubernetes Engine (GKE) and Azure Web Apps using Helm Charts, installed Nutanix Kubernetes Platform (NKP) clusters, and configured service mesh (Istio) for microservices observability.
- Provided performance engineering consultancy by analyzing application metrics and distributed traces to identify bottlenecks including slow SQL queries, memory leaks, and resource contention, improving application response times.
- Automated operational workflows using Python to generate dashboard reports via email, push real-time alerts to Telegram, and streamline monitoring tasks, reducing manual effort and improving incident response.

### JUNIOR SYSTEMS ENGINEER | PT Kairos Utama Indonesia

*April 2023 – March 2024*

- Led critical incident response during enterprise-wide ransomware attack, successfully rebuilding Microsoft Exchange infrastructure from scratch within 3 days to restore business-critical email services, coordinating recovery with cold storage backup restoration.
- Engineered and maintained Microsoft enterprise environments managing 50+ virtual machines across Active Directory, Microsoft Exchange, SharePoint, and Microsoft 365, implementing Failover Clustering for high availability.
- Performed Database Administration for Microsoft SQL Server and Oracle, configuring Log Shipping for disaster recovery, automated backup schedules, query optimization, and capacity planning.
- Executed Disaster Recovery (DR) drills and validation procedures for enterprise clients to verify backup integrity and recovery time objectives (RTO).

## EMBEDDED SYSTEMS ENGINEER | Covent Indonesia

April 2022 – April 2023

- Engineered production-grade firmware for safety-critical medical device using C/C++ with regulatory approval and patent certification, implementing Watchdog Timers and Fail-Safe mechanisms for fault tolerance.
- Developed real-time PID Control algorithms utilizing hardware interrupts for microsecond-level precision in automated medication dosage mechanisms.
- Conducted hardware-level debugging using oscilloscopes and logic analyzers, ensuring strict medical device safety compliance.

## EDUCATION

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### UNIVERSITAS INDONESIA

Bachelor of Engineering in Electrical Engineering

(GPA: 3.87/4.00, Cum Laude)

August 2019 – January 2023

- Specialization: Electronics Engineering.
- Relevant Coursework: Artificial Intelligence, Control Systems, Microcontroller Programming, Network Communication, Embedded Systems.

## CERTIFICATIONS

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- **AWS Certified Solutions Architect - Associate** *Issued April 2024*
- **New Relic Certified Performance Engineer - Professional (PEP)** *Issued August 2025*
- **New Relic Certified APM Practitioner - Associate (APA)** *Issued May 2025*
- **Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI)** *Issued October 2024*
- **Nutanix Certified Services Core Associate** *Issued December 2024*
- **New Relic Verified Foundation (NVF)** *Issued December 2024*
- **Google Cloud Certified: Cloud Digital Leader** *Issued June 2023*

## ADDITIONAL EXPERIENCE

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### LABORATORY ASSISTANT | Electronics Laboratory FTUI

August 2021 – January 2023

- Mentored 50+ undergraduate students on embedded systems concepts, microcontroller programming, and hardware troubleshooting.
- Maintained laboratory equipment including oscilloscopes, logic analyzers, and power supplies for student projects.