

# BAGUS YUDISTIRA

## IT INFRASTRUCTURE, OPERATIONS & AUTOMATION

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### PROFESSIONAL SUMMARY

IT infrastructure and operations professional supporting **3 manufacturing sites, 100+ endpoints and 7 servers** as the sole IT resource. Brings **two years in IT operations and six years in blast furnace E&I maintenance**, spanning Windows Server, networks, backup/recovery and production application support. Built inter-site file synchronization and **monitoring automation with Telegram alerts and AI-assisted analysis/reporting**. Experienced in vendor coordination and remote-site support.

### CERTIFICATIONS

**CompTIA Security+** | September 2026

**Cisco CCNA** | **CompTIA Network+** | **MikroTik MTCNA** | Valid through July 2029

Additional training: Google Cybersecurity; Microsoft IT Support Specialist. [Certificate portfolio](#)

### PROFESSIONAL EXPERIENCE

**PT Cipta Kemas Indah Cemerlang**

**August 2024 - Present**

**IT Staff - Infrastructure & Operations (Sole IT)**

Packaging industry | Photopolymer printing plates and die-cut tooling

- Manage IT operations for **3 affiliated companies** across Serpong, Surabaya and Bitung, supporting **100+ endpoints**; report to the General Manager of Operations.
- **Built inter-branch data synchronization from scratch** using TLS-encrypted Syncthing to replicate design and production files across sites.
- Built custom scripts/bots to **aggregate network monitoring data and deliver Telegram alerts**; incorporated AI-assisted analysis/reporting into the operational workflow.
- **Orchestrated multiple AI agents** for code generation and debugging; consolidated, integrated and tested their outputs for the monitoring and notification workflow.
- Isolated recurring **ERP stock discrepancies** to an application fault through controlled testing, ruling out the network. Documented findings supported **management's decision to replace the ERP**.
- Maintain Cisco/MikroTik networks, inter-branch VPN connectivity and CCTV recording synchronization across sites.
- Administer Windows Server, Active Directory, Group Policy, DNS/DHCP, Microsoft 365 and Google Workspace, including onboarding/offboarding, access permissions, mail routing and license allocation.
- Monitor **7 servers**, including ERP application/database, Esko and design-file servers, plus network devices and critical services with PRTG; investigate alerts and troubleshoot incidents.
- Back up design data, email content and ERP databases, with off-site object storage copies; perform restore operations and scheduled recovery tests.
- Support Esko, RIP/plate-making and die-cut CAD/CAM applications: installation, updates, licensing/dongles, crash troubleshooting, and connections to file servers and production equipment.
- **Built and maintain a group-wide IT asset register** covering hardware, software licenses, user assignments and device lifecycle; document IT SOPs and configurations.
- Guide non-IT staff at remote sites through step-by-step IT repairs and device installation/replacement.
- Define IT procurement requirements, recommend equipment and compare suppliers; coordinate vendor/ISP work and negotiations.

## PROFESSIONAL EXPERIENCE (CONTINUED)

### PT POSCO DX Indonesia

2018 - 2024

#### Electrical & Instrumentation (E&I) Maintenance Technician | Plant IT Support

Technical services to Krakatau POSCO's blast furnace | Cilegon, Banten

- Maintained electrical and instrumentation systems for **one blast furnace plant as one of two technicians per shift**, supporting 24/7 production and responding to equipment breakdowns.
- Performed routine inspections, preventive/predictive maintenance and instrument calibration/loop checks during day assignments. Maintained field sensors, motors, MV/HV switchgear, UPS and standby generators.
- Troubleshoot machine PCs, operator workstations and HMI application faults; supported hardware/OS recovery and escalated specialist issues to plant IT.
- Assisted Siemens PLC and **Level 2 HMI** troubleshooting, including parameter/script adjustments under Korean supervisors' guidance during on-the-job training.
- Coordinated permits to work and maintenance activities with Krakatau POSCO's internal staff; supervised **2-5 outsourced maintenance workers** engaged by POSCO DX.
- Prepared SOPs, inspection records and shift handovers to support maintenance continuity and coordination between shift and day teams.

## CORE SKILLS

**Infrastructure:** Windows Server, Active Directory, Group Policy, DNS/DHCP; Microsoft 365, Google Workspace; Windows/macOS/Linux support.

**Networking:** Cisco, MikroTik RouterOS, TCP/IP, IPv4 subnetting, VLANs, routing/switching, firewall rules, NAT, VPN, LAN/Wi-Fi, SNMP; PRTG.

**IT operations:** Backup/recovery, Syncthing, Kaspersky endpoint protection, ERP support, Microsoft SQL Server/T-SQL; asset, licensing and vendor coordination.

**Workflow automation & AI:** Custom scripts/bots, monitoring data aggregation, Telegram integration, AI-assisted analysis/reporting; AI agent orchestration for coding, debugging, integration and testing.

**Site systems:** File servers, CCTV/NVR, PABX, UPS, biometric attendance and access control.

**Remote support:** MeshCentral, AnyDesk, TeamViewer; endpoint provisioning and troubleshooting.

**Plant IT/OT & safety:** Machine PCs/HMI, E&I maintenance, instrument calibration, permits to work; familiar with pre-task hazard identification and Isolation Locking System (ILS).

## PERSONAL LABS & INDEPENDENT LEARNING

**Infrastructure lab:** Built a self-hosted environment on a public VPS from scratch, deploying Docker services behind Caddy/TLS with UFW, Fail2ban and Uptime Kuma. Maintain off-site backups and test restores; learning Proxmox VE and VMware virtualization.

**Workflow automation (personal projects):** Build personal n8n workflows for scheduled tasks, API/webhook integrations and notifications; experiment with self-hosted LLMs and AI agents.

## EDUCATION

### Universitas Bina Sarana Informatika

2024 - Present

Bachelor of Information Technology (S1), expected 2028  
Evening program | GPA 3.98/4.00

### SMK Negeri 1 Cilegon

2014 - 2017

Industrial Electronics Engineering

## LANGUAGES

Bahasa Indonesia: Native | English: Professional written/reading proficiency; conversational speaking.