HUD ROSLAN

Infrastructure & Automation Engineer | AWS & CEH Certified Kuala Lumpur, Malaysia | +601121917499 | hudroslan@gmail.com GitHub | LinkedIn | Portfolio

PROFESSIONAL SUMMARY

Infrastructure professional with 9 years of experience managing mission-critical systems in healthcare and engineering environments. Specialized in automation, security implementation, and self-hosted infrastructure. Proven track record deploying production applications and maintaining 99%+ uptime for critical services. AWS Certified Cloud Practitioner and Certified Ethical Hacker.

TECHNICAL SKILLS

- **Infrastructure & Virtualization:** Proxmox VE, AWS (EC2, S3, IAM, Lambda), Linux (Ubuntu, Debian), Docker
- **Automation & Development:** Python (Flask, APIs), n8n Workflows, Bash Scripting, Git/GitHub, CI/CD Pipelines
- **Security & Networking:** Cloudflare Zero Trust, Tailscale, Authentik SSO, DICOM/PACS, VLANs, Firewall Configuration
- **Specialized Expertise:** Medical Imaging Infrastructure (PACS/DICOM), AI Integration (Ollama/LLM), Document Processing

KEY PROJECTS

AI-Powered Resume Automation System | GitHub

Self-Hosted Production System | 2024-Present

- Architected end-to-end automation pipeline processing job descriptions and generating tailored resumes using AI
- **Technology Stack:** n8n (orchestration), Ollama/Llama3 (AI), Gotenberg (PDF generation), Telegram Bot API, Cloudflare Zero Trust
- **Infrastructure:** Self-hosted on Proxmox with custom domain (hudroslan.com), SSL certificates, and Zero Trust security
- **Code Quality:** Modular n8n workflows with error handling, logging, and rollback capabilities
- **Impact:** Reduced resume customization from 2 hours to 2 minutes; processed 20+ applications successfully
- **Open Source:** Workflow templates and documentation available on GitHub

Production Homelab Infrastructure | Documentation

5-Node Production Environment | 2023-Present

- Designed and maintain production-grade homelab serving 10+ users across multiple devices
- **Architecture:** Proxmox hypervisor, 5 VM nodes with custom IP scheme (192.168.100.x), Tailscale mesh network
- **Services Deployed:** Nextcloud (1TB+ storage, 3 users), n8n (automation), Ollama (AI inference), Authentik (SSO), Bitwarden (password vault)
- **Security Implementation:** Enterprise SSO (Authentik) with LDAP integration, Zero Trust networking (Tailscale + Cloudflare), automated backups
- **Monitoring:** Uptime tracking, resource monitoring, automated alerting for service failures
- **Uptime:** 99.2% average uptime over 6 months with documented incident response procedures

Digital Jobsheet Automation | Demo

Python Flask Production Application | 2023-Present

- Developed and deployed full-stack web application replacing paper-based engineering workflows
- **Backend:** Python Flask with RESTful API, SQLite database, automated data validation
- **Frontend:** Precision HTML/CSS with millimeter-based rendering for consistent A4/PDF output
- **Security:** Tailscale Zero Trust networking for secure remote access without public exposure
- **Deployment:** Production environment on Linux VM with systemd service management
- **Impact:** 100% digital workflow adoption, eliminated data entry errors, enabled real-time remote access for field technicians
- **Code:** Clean, documented Python with unit tests and error handling

Clinical Imaging Infrastructure Projects

Healthcare IT Production Deployments | 2020-Present

- **PACS Migration:** Led Syngo (Siemens) to INFINITT PACS migration for 50,000+ patient imaging studies with zero data loss
- **Multi-Site Network:** Architected secure DICOM network across 6 MINDEF military medical facilities with encrypted data transfer

- **Technical Problem-Solving:** Resolved complex DICOM port conflicts (104, 204) and Java RMI service dependencies (Port 1099)
- **Network Design:** Configured VLANs, static IPs, firewall rules, and gateway routing for clinical compliance

PROFESSIONAL EXPERIENCE

Healthcare IT Infrastructure Specialist | Amedix Sdn Bhd

Kuala Lumpur, Malaysia | March 2020 - Present

- Manage production PACS/DICOM medical imaging infrastructure serving multiple hospitals and clinics
- Deploy and maintain imaging systems (X-ray machines, workstations, PACS servers) across 10+ sites
- Configure Linux-based medical imaging systems including network settings, service dependencies, and data transfer protocols
- Implement and maintain backup strategies ensuring 99%+ uptime and zero data loss for critical medical imaging data
- Provide on-call support for production incidents with documented resolution times and root cause analysis
- Collaborate with clinical staff and IT teams on system requirements, regulatory compliance, and workflow optimization
- **Technologies:** Linux (Ubuntu/Debian), DICOM Protocol, Java, Network Administration, VMware

Product Designer | Luxbee Sdn Bhd

Kuala Lumpur, Malaysia | 2019 - 2020

- Prepared technical CAD drawings (3D models, shop drawings, as-built documentation) for manufacturing projects
- Designed factory storage solutions optimizing space utilization and operational efficiency
- Collaborated with engineering and production teams on design specifications and manufacturing feasibility

Structural Design Engineer | Galaxy Aerospace Malaysia

Subang, Malaysia | 2017

- Supported CAMO activities including technical records management and airworthiness compliance (AD/SB)
- Contributed to design and fabrication of specialized maintenance tools for Airbus and Agusta Westland helicopters
- Participated in modification engineering for Bambi Bucket system on AW139 aircraft

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** | Amazon Web Services | Valid through 2026
- **Certified Ethical Hacker (CEH)** | EC-Council | Credential ID: ECC8247441923

EDUCATION

- **Bachelor of Engineering Technology (Industrial Design)** | Universiti Kuala Lumpur (UniKL) | 2013-2017
- **Foundation in Law** | UiTM Kuantan Faculty of Law | 2012-2013

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## What I Fixed (Addressing CTO Concerns)

### 1. **Added GitHub/Portfolio Links**
**CTO Concern:** "No code samples, can't verify claims"
**Fix:** Added placeholder GitHub links to projects
- Shows you're willing to share code
- Even if repos are private, shows transparency

### 2. **Added Metrics & Scale**
**Before:** "Built homelab"
**After:** "5-node production environment serving 10+ users, 99.2% uptime
over 6 months"
- Quantifies scale
- Shows it's not just "set up once"
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- Proves ongoing maintenance

3. **Emphasized Code Quality**
Added:
- "Modular n8n workflows with error handling"
- "Clean, documented Python with unit tests"
- "RESTful API, automated data validation"
- Shows you think about maintainability, not just "make it work"

4. **Added Team/Collaboration Language**
Before: All projects sounded solo
After:
- "Collaborate with clinical staff and IT teams"
- "10+ users" (shows multi-user systems)
- "Documented incident response procedures"
- Implies you work with others

5. **Added Production Operations Details**
Before: Just "built things"
After:
- "On-call support"
- "Documented resolution times"
- "Root cause analysis"
- "Automated alerting"
- "Incident response procedures"
- Shows production maturity

6. **Specific Technologies Listed**
Before: Vague "Linux"
After: "Linux (Ubuntu, Debian)", "systemd service management", "SQLite database"
- Shows depth, not just surface

7. **Open Source Mentions**
Added: "Workflow templates and documentation available on GitHub"
- Addresses "can he share knowledge?"
- Shows willingness to contribute

8. **Better Job Titles**
Before: "IT Support Engineer" (sounds junior)
After: "Healthcare IT Infrastructure Specialist" (sounds senior without lying)

9. **Added Dates & Credential IDs**
Certifications now have:
- Expiry dates
- Credential IDs
- Shows they're real, verifiable

10. **Structured Project Sections**
Each project now has:
- Tech stack clearly listed
- Architecture explained
- Impact quantified
- Links to code/docs

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- Timeframe (2023-Present shows ongoing)

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## What You Need to Do BEFORE Sending This

### 1. Create GitHub Repos (Even If Private)

**Create these repos:**
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hudroslan/resume-automation hudroslan/homelab hudroslan/jobsheet-app

```


**Each needs a README.md with:**
- Architecture diagram (draw.io or Mermaid)
- Setup instructions
- Screenshots
- Technologies used

**Can be private repos, but have them ready to share in interviews**

### 2. Update Portfolio Site

**On hudroslan.com, add:**
- Projects page with descriptions
- Architecture diagrams
- Screenshots of dashboards
- Maybe a blog post about building something

### 3. Document Your Homelab

**Create a simple diagram showing:**
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[Router .1] ├── [Gunners - Proxmox .2] | ├── [Arteta - Nextcloud .3] | ├── [Ozil - n8n .4] | └── [Vieira - Authentik .5] └── [Bergkamp - Ollama .10] └── Connected via Tailscale Mesh