

# HUD ROSLAN

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

## PROFESSIONAL SUMMARY

Infrastructure professional with 5 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, Dualboot: Fedora Atomic Silverblue, Windows 11 Pro
- **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

## 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 | 2011
- **SPM** | SMT Muadzam Shah Civil Engineering | 2009