

SAHASSAPON MANUSSAWIN

Windows System Administrator | Infrastructure & Automation

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PROFESSIONAL SUMMARY

Infrastructure-focused System Administrator with primary expertise in enterprise Windows Server and complementary experience supporting Linux systems, including Red Hat Enterprise Linux (RHEL) and Rocky Linux. Hands-on experience with Active Directory, virtualization, hyperconverged infrastructure, and Nutanix administration across AHV, AOS, Prism, and command-line tools. Strong foundation in systems troubleshooting, PowerShell/Python automation, and secure operations, backed by an NTU engineering degree.

WORK EXPERIENCE

Windows System Administrator | Micron Technology Inc. | Sep 2024 - Present

Singapore

- Administer and troubleshoot enterprise Windows Server services, including Active Directory, DNS, DHCP, Group Policy, Kerberos, LAPS, KMS, SCCM, IIS, and WinRM.
- Support virtualized and hyperconverged platforms across VMware vSphere/ESXi and Nutanix AHV/Prism, with exposure to Dell and Cisco data-centre infrastructure.
- Investigate system, network, authentication, storage, and application incidents in production environments, coordinating recovery and documenting repeatable resolutions.
- Automate infrastructure and operational workflows with PowerShell and Python, including remote administration, reporting, validation, and zero-touch provisioning activities.

EDUCATION

Bachelor of Engineering (Information Engineering with Media) | Nanyang Technological University | Completed Jun 2024

School of Electrical and Electronic Engineering | CGPA: 4.68 / 5.00

- Relevant study: data structures and algorithms, object-oriented programming, software engineering, digital electronics, signals and systems, cybersecurity risk management, and data-driven web applications.

Diploma in Aeronautical Engineering | Singapore Polytechnic | Apr 2010 - May 2013

School of Mechanical and Aeronautical Engineering | CGPA: 3.735 / 4.00

SELECTED TECHNICAL PROJECTS

Thermal Image Classifier | ESP32, FreeRTOS, FLIR Lepton 3.5, C/C++, PyTorch | 2023

- Built an embedded thermal-imaging pipeline and trained a five-class CNN using approximately 5,000 images, then deployed inference to a resource-constrained microcontroller.

VR Hangar Training System | Republic of Singapore Air Force / Singapore Polytechnic | Sep 2020 - Mar 2021

- Developed a Unity and HTC Vive training environment for foreign-object detection, translating client requirements into a complete six-month software deliverable.

Personal Portfolio & Web Applications | Next.js, React, TypeScript, MongoDB, ASP.NET Core | Ongoing

- Developed and maintained full-stack applications, authentication flows, APIs, and IIS-hosted services; portfolio available at manussawin.com.

TECHNICAL SKILLS

Systems: Windows Server, Active Directory, DNS, DHCP, Group Policy, SCCM, IIS, Linux

Virtualization & Infrastructure: VMware vSphere/ESXi, Nutanix AHV/Prism, Hyper-V, Dell MX7000, Cisco UCS

Automation & Programming: PowerShell, Python, C, C++, C#, Java, JavaScript/TypeScript, Bash, SQL

Platforms & Tools: Docker, Podman, Kubernetes, Git, Grafana, Prometheus, Veeam, Wireshark

Languages: Thai (native), English (fluent)

LEADERSHIP & ACTIVITIES

Vice President | Marvel@EEE, NTU | 2022 - 2024

- Supported student leadership, event coordination, communication, and community activities.

Secretary and Lead Guitarist | SP Guitarists | Jun 2018 - Jun 2020

- Coordinated communications, attendance, member welfare, venues, and performances for an ensemble of more than 50 guitarists.