

JUSTIN SINGH-MOHUDPUR

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EDUCATION

University of California, Santa Barbara

September 2019 - Present

Mathematics, B.S.

Spatial Science, Minor

Merced College

August 2016 - June 2019

Computer Science and Mathematics, A.S.

Community College of the Air Force

September 2017 - February 2018

Information Systems Technology, A.S.

WORK EXPERIENCE

United States Air Force Reserve

September 2017 - Present

Network and Systems Administrator (Security)

- Deployed, configured, and maintained VMWare technologies such as ESXi, vSAN, and vCenter.
- Configured switching/routing services for Cisco appliances.
- Managed Active Directory services supporting enterprise infrastructure (group policy, account management)
- Responsible for researching, installation, maintenance, and monitoring of security solutions such as: Windows 2012R2 security servers (Nessus/ACAS, Host-based Security System), firewalls (ForcePoint NGFW, Palo Alto Networks), McAfee Web Gateway, and signature based IDS systems (Snort).
- Created and maintained automated initial system setup via PowerShell/Bash.
- Implemented public key infrastructure (PKI) authentication methods compliant with DOD requirements.
- Utilized Remedy for ticketing day-to-day operations for Tier 1 support.
- Ensured software licensing and time-compliant technical orders from AF/DISA were accomplished.
- Managed inventory and maintenance of Information Technology equipment infrastructure-wide.
- Developed system documentation program and operations contingency procedures from no previously existing documentation/procedures.
- Developed and performed mitigation plan and performed remediation activities based on the findings to resolve network and system vulnerabilities to meet DOD compliance requirements.

TECHNICAL STRENGTHS

Certifications

Security+, VCP-DCV (*in-progress*)

Languages

Java, Python, R, PowerShell, SQL, MATLAB, LaTeX

Systems

Windows, Debian, RHEL