# The University of Texas at San Antonio

## *Job Description*

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| Job Title: | Enterprise DevOps Network Engineer |
| Code: | 17541 |
| Salary Grade: | 65 |
| FLSA Status: | Exempt |
| Department/Division: | University Technology Services/Enterprise Services |
| Reports To: | Manager, Enterprise Data Communications |

## *Summary*

- <u>Function</u>:

  Under limited supervision, responsible for the design, engineering, administration and optimization of current and emerging network technologies.  Develops solutions to automate operational tasks, streamline deployment processes and provide a scalable network platform for other engineering teams to build upon.

## *Duties*

<u>Typical</u>:
1. Promotes DevOps principles and culture across the Enterprise Data Communications organization.
2. Utilizes scripting, automation, and infrastructure as code to standardize and simplify network hardware and software deployment, configuration and management
3. Supports and automates highly available network infrastructure across LAN, WAN network environments.
4. Designs and develops automation workflows, performs tests, and provides feedback after assessing the overall quality of delivered components.
5. Designs, implements and administers security hardware and software to provide secure networks for trusted client access.
6. Provide level 2/3 technical support for Core Network Security portfolio – including but not limited to Firewall, Remote Access VPN & Network Access Control
7. Consults on network design; coordinates required changes to campus network infrastructure.
8. Documents processes, procedures, and proposes improvements.
9. Monitors network performance levels and resolves identified issues with network hardware and software.
10. Ensures that the environment meets NIST 800-53 and 800-100 best practices as well as CMMC Level 3 security requirements as required
11. Conducts routine hardware and software audits of network devices to ensure compliance with established standards, policies, and configuration guidelines.
12. Develops and maintains a comprehensive network hardware and software configuration database or library of all supporting documentation.
13. Assists with special projects, as needed.
14. Complies with all state and university policies.
15. Other duties may be assigned.
16. Occasional travel may be required.

## *Education*

| Required | Preferred |
|---|---|
| Bachelor's degree from an accredited institution within area of assigned responsibility.<br><br>Technical training and/or experience may be substituted for a degree on a year for year basis. | N/A |

## *Other Requirements*

| Required | Preferred |
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| While performing the duties of this job, the employee is regularly required to sit and talk or hear.<br><br>The employee is occasionally required to stand or walk.<br><br>The employee must occasionally lift and move up to 60 pounds. | N/A |

## *Experience*

| Required | Preferred |
|---|---|
| 2+ years of relevant DevOps experience<br><br>4+ years equivalent work experience with strong knowledge in networking core competencies - Firewall, Routing, Switching, WAF, Remote Access VPN, Cloud Network Security & Network Access Control, Wireless<br><br>Strong automation scripting skills<br><br>Knowledge of scripting languages including python<br><br>Knowledge of CI/CD tools including Ansible<br><br>Familiarity utilizing REST APIs on network devices and management platforms<br><br>Experience with design of self-healing and fault-tolerant networks<br><br>Experience with and a strong knowledge of Incident, Problem and Change management processes | 3+ years of experience with Palo Alto firewall hardware and software technologies<br><br>Experience with zero trust network architectures<br><br>Experience with ServiceNow workflows and integrations |

## *Equipment*

| Required | Possible |
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|  | N/A |

## *Working Conditions*

| Usual | Special |
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| While performing the duties of this job, the employee is occasionally exposed to extreme cold and risk of | Occasional travel may be required. |

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| electrical shock. The noise level in the work environment is usually moderate. |

## Supervision

| Received | Given |
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| Direct supervision from Manager, Enterprise Data Communications | May supervise assigned staff. |

## Accuracy

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| Proficiency in all phases of the duties performed |

## Security Sensitive

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| Specific job requirements or physical location of some positions allocated to this classification may render the position security sensitive, and thereby subject to the provisions of section 51.215 Texas Education Code. |

## Internal Control

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| Within the scope of position duties, responsible for seeing that operations are effective and efficient, assets are safeguarded, reliable financial data is maintained, and applicable laws, regulations, policies, and procedures are complied with. |