# **UW HEALTH JOB DESCRIPTION**

# Senior Network Infrastructure Security Engineer

	Senior Network Infra	astructure Sec	urity Engine	eer
Job Code: 330038	FLSA Status: Exempt	Mgt. Approval:		Date: December 2022
Department: IS - Infrast		HR Approval:	M. Grayson	Date: December 2022
Network and Security Ser oad balancing, firewall, v connectivity. The Senior nto technical solutions un nighly available systems The Senior leads implem operations and recomme	JOE structure Security Engineer will colla rvices in a multivendor environment. wireless, DHCP and DNS, client base Network Infrastructure Security Engin tilizing a wide variety of technology a in a critical 24x7x365 environment. mentation projects and mentors other ands and introduces areas of improve mends adjustments as needed, inclu	These services inclue ad and site to site VPN neer works with the In and knowledge of network Network Infrastructure ement in the current in	de data network a s, PKI, Azure clo frastructure Arch ork, server, and e Security Engine frastructure. The	at the edge, core and data center, bud connectivity and multi-site itecture group to turn business need troubleshooting skills to maintain eers. This position monitors network Senior Network Infrastructure
customer and business p	ngineer participates in large scale org artner meetings, and leads team leve ole for after-hours on-call, monitors in performance goals.	el project design and	implementation.	
	MAJOR RE	SPONSIBILITI	ES	
<ul> <li>performance, ar</li> <li>Design, maintail programming, tr equipped infras</li> </ul>	ful delivery of Network Security Servi nd advance progress towards UW He n, and train others on network infrast oubleshooting, and maintenance of r	ealth goals. tructure services, inclunetwork and security s	uding the installat software and har	tion, architecture, design, setup, dware in a mixed vendor environmer
Network and Se switches, acces environment, la	curity system. This includes, but is no s points, DNS and DHCP appliances yer 7 firewalls, remote access solutio levelop and maintain trusted advisor	ot limited to, troublesh , load balancers in bo ons and site connectiv	nooting infrastruc oth an on-premise ity.	ture and services including routers, es environment and an Azure cloud
	timizing use of Network and Security / review of Network Infrastructure and			
•	vailable solutions in accordance with		plan.	
<ul><li>lower total cost</li><li>Lead the develo</li><li>Monitor the lates</li></ul>	Standards vze, recommend, and implement new of ownership, and improve performa opment and delivery of training releva st market trends and offerings to inte work Logs and Alerting systems to fin	nce. ant to area of expertise grate technology into	e. business initiativ	es.
<ul> <li>Monitor and rep</li> </ul>	I runbooks and procedures on suppo ort on system health to ensure the sta ce, training, and mentorship to team r	ability of infrastructure	eservices.	nce for Network Security Systems.
Provide present	responsibilities and may lead the tear ations to customers, management, a gineering, and constraints.			
Provide inciden	cal standards, define operational proc t management and support to the crit cal delivery of projects, including des	ical issues escalated	by Network Secu	rity Services Operations team.

 Lead the technical delivery of projects, including design, configuration, and testing of technical solutions for enterprise-wide projects.

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- Coordinate technical delivery of regional services and outreach programs including the PACS Archive service, ImageShare, eICU, Telestroke, MESH and Cardiology Read services.
  - May perform additional duties related to agile project management. Duties may include but are not limited to:
    - Work directly with IS Project Managers to update project plans and communicate project status.
    - Participate in operating model activities related to product and service ownership.
    - Meet and communicate with stakeholders, document project definition, and provide direction and leadership in project estimates and sequencing.
    - Build, edit, and maintain team backlog; prioritize and document objectives for project sprints.
    - Review assigned service requests daily, follow up and provide status updates to clients; effectively maintain service delivery status and backlog.

#### ALL DUTIES AND REQUIREMENTS MUST BE PERFORMED CONSISTENT WITH THE UW HEALTH PERFORMANCE STANDARDS.

JOB REQUIREMENTS						
Education Minimum		Associate Degree in Healthcare, Information Technology, Business, or related field Two (2) years combination of relevant experience and education may be considered in lieu of degree				
	Preferred	Bachelor's or Master's degree in Healthcare, Information Technology, Business, or related field				
Work Experience Minimum		Demonstrated success designing, configuring, and supporting network and security infrastructure Demonstrated success troubleshooting and resolving problems in a large technology environment Demonstrated success translating business needs into operational requirements Demonstrated success in delivering services in a specified domain of technologies Demonstrated success leading projects teams				
	Preferred	Five (5) years' relevant experience working in critical infrastructure Five (5) years' relevant experience supporting network and security infrastructure				
Licenses & Certifications	Minimum	None				
Required Skills, Knowledg	Preferred	CCNA/CCNP, CISSP, PCNSE or equivalent professional certification				
		Intermediate competency in the following areas: <ul> <li>Leadership including leads with integrity, maintains strategic orientation, demonstrates business &amp; financial acumen, champions innovation, manages execution, leads &amp; develops people</li> <li>Technical leadership of applicable products or platforms</li> <li>Leading highly empowered, self-directed teams including cross-functional teams</li> <li>Communication</li> <li>Effective team member</li> <li>Critical thinking</li> <li>Applying lean management tools</li> <li>Applying agile methodologies</li> <li>Mentoring and teaching</li> </ul>				
		<ul> <li>Advanced Competency in at least four Network competencies including:</li> <li>Ability to design and implement complex fiber connectivity between various private and commercial providers</li> <li>Ability to design and support QOS implementation on wired/wireless networks</li> <li>Ability to design, install, and troubleshoot core network services such as DNS, DHCP, NTP, RADIUS, and TACACS</li> <li>Understanding of network protocols such as TCP, UDP, SSL, STP, and multicast</li> <li>Ability to design, deploy, and troubleshoot multicloud instances (Azure, AWS)</li> <li>Ability to design, configure, and troubleshoot connectivity within Cisco ACI or other data center switching technologies</li> <li>Understanding of routing protocols such as OSPF, EIGRP, and BGP</li> <li>Knowledge of configuring and supporting Cisco layer 3 switches</li> </ul>				

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	and Pal Knowle Knowle Designisites Ability to Unders Ability to Unders Ability to Unders Ability to Knowle Knowle Charlenee Charl	o Alto dge and experience trou dge of 802.11 wireless p ing, supporting, and opti o design, support, and tr tanding of port-channels o manipulate, maintain, a lation (Excel, MySQL,sy tanding of GSLB design o design, install, upgrad tanding of advanced Net lout, IP reputation, AppF dge of 802.1X and Cisco	and how to implement it f e and troubleshoot NetSca Scaler features such as ra W, Appflow and Bot mana	rs of the OSI model x/ac/n/a/g/b ironments over multiple VPN s in data storage and or disaster recovery aler SDX appliances ate limiting, policies, agement
	Other Preferred S • Knowle PHP, Pl • Ability to • Unders • Ability to PHYSICAL I cate the appropriate physical requirements of this	hyton, PowerShell and S o design and support cri tanding of network secur o work with people of va REQUIREMENTS job in the course of a	gies and programming la ervice Now flow designe tical infrastructure in a 24 ity concepts and best pra rying skills and personalit <b>a shift.</b> Note: reasonable	r «7x365 environment ctices ties
	be made available for individuals with disabilities to perform a since the second seco	Occasional Up to 33% of the time	Frequent 34%-66% of the time	<b>Constant</b> 67%-100% of the time
	<b>Sedentary:</b> Ability to lift up to 10 pounds maximum and occasionally lifting and/or carrying such articles as dockets, ledgers and small tools. Although a sedentary job is defined as one, which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing are required only occasionally and other sedentary criteria are met.	Up to 10#	Negligible	Negligible
	<b>Light:</b> Ability to lift up to 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may only be a negligible amount, a job is in this category when it requires walking or standing to a significant degree.	Up to 20#	Up to 10# or requires significant walking or standing, or requires pushing/pulling of arm/leg controls	<b>Negligible</b> or constant push/pull of items of negligible weight
Х	<b>Medium:</b> Ability to lift up to 50 pounds maximum with frequent lifting/and or carrying objects weighing up to 25 pounds.	20-50#	10-25#	Negligible-10#
	<b>Heavy:</b> Ability to lift up to 100 pounds maximum with frequent lifting and/or carrying objects weighing up to 50 pounds.	50-100#	25-50#	10-20#
	<b>Very Heavy:</b> Ability to lift over 100 pounds with frequent lifting and/or carrying objects weighing over 50 pounds.	Over 100#	Over 50#	Over 20#
011-	er - list any other physical requirements or bona fide			

Note: The purpose of this document is to describe the general nature and level of work performed by personnel so classified; it is not intended to serve as an inclusive list of all responsibilities associated with this position.