Network Applications and Automation Engineer
University at Buffalo, The State University of New York

Job Title	Network Applications and Automation Engineer
Department	Network and Communication Services
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Jan. 30, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Information Technology
Job Website	https://www.ubjobs.buffalo.edu/postings/55552
Apply By Email	
Job Description	

Position Summary

As a **Network Applications and Automation Engineer** you will support the network monitoring, configuration, and automation in the **Network and Communications Services** (NCS) unit at UB. Partnering with network engineers you will work on ways to automate changes and improve effectiveness of the team.

Your responsibilities include:

- Select and pilot network applications
- Transition from legacy closed-source products to commercial or open-source applications, reducing technical debt

- Share performance and availability information via public dashboards
- Maintain the NCS code base
- Design, configure, and maintain systems, applications, and complex monitoring tools; support and administration of enterprise-level networking software systems
- Ensure availability and maintainability of on-premise and cloud-based applications of critical voice and data systems
- Evaluate, configure, and support vendor-supplied utilities and software packages; make recommendations for usage and adoption
- Automate processes and integrate third-party systems using APIs to transfer data between network-based systems
- Apply orchestration technologies where appropriate for implementation
- Understand application/script development, quality assurance and data integration methodologies, using source control systems like Git
- Understand core networking components (routers, firewalls, wireless management, VoIP, VPN's, switches and related operation systems
- Collaborate with customers and technical colleagues with varying backgrounds

It is a great time to join **UB Information Technology (UBIT)**! Our staff are highly skilled and motivated to succeed and have cutting-edge training and technical resources at their disposal. For more information about UBIT visit our **website**. All the duties and responsibilities listed above continue to occur in a 24×7 environment, therefore, working extended hours, holidays, or varied hours may be required.

Learn More:

- Our **benefits**, where we prioritize your well-being and success to enhance every aspect of your life.
- Being part of the **University at Buffalo community**.

About The University at Buffalo

The University at Buffalo (UB) #ubuffalo is one of America's leading public research universities and a flagship of the State University of New York system, recognized for our excellence and our impact. UB is a premier, research-intensive public university dedicated to academic excellence. Our research, creative activity and people positively impact the world. Like the city we call home, UB is distinguished by a culture of resilient optimism, resourceful thinking and pragmatic dreaming that enables us to reach others every day. Visit our website to learn more about the **University at Buffalo**.

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University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.

Minimum Qualifications

- Bachelors degree with 2 years experience in networking, scripting, or similar environment
- Working knowledge of Python
- Working knowledge of basic network protocols (PING, ARP, DNS, DHCP, and SNMP)
- Experience in networking and analytical techniques, and expertise in selected areas of computer applications and networks. Equivalent combination of education and experience will be considered.
- This position may require occasional travel between each university campus and off-campus. Must have the ability to demonstrate that the candidate can meet the transportation needs of this position.
- Applicants must be authorized to work in the United States on a full-time basis without visa sponsorship.

Preferred Qualifications

- Knowledge of open-source network automation platforms including Ansible and NetBox
- Knowledge of network management applications such as Grafana, Cacti
- Knowledge of the Linux operating systems and command-line tools

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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