DevOps Engineer II
Worcester Polytechnic Institute

Job Title	DevOps Engineer II
Department	
Institution	Worcester Polytechnic Institute
	Worcester, Massachusetts
Date Posted	Aug. 19, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Information Technology
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Job Description	

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JOB TITLE
DevOps Engineer II

LOCATION
Worcester

DEPARTMENT NAME
Network Operations

DIVISION NAME
Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

DevOps Engineer II is a technical role supporting the satisfactory operation and maintenance of the WPI Infrastructure. Major initiatives include moving towards Infrastructure as Code using industry automation frameworks and supporting both in-house tooling and vendor provided appliances. This is an advanced level position where a broad knowledge of programming languages and integration methods is expected.

WPI is passionate about creating an inclusive workplace that promotes and values diversity. We are looking for candidates who can support our commitment to equity, diversity and inclusion.

JOB DESCRIPTION

Responsibilities:

- Maintain essential Networking Support Service platforms by:
- Administer Linux and FreeBSD appliance platforms which provide critical DDI, RADIUS and Policy Management services (EfficientIP, ClearPass, etc)
- Maintain and support self-service end-user network provisioning services (SecureW2, NetReg)
- Ensure thorough patch management practices across all platforms
- Plan and Develop end-users self-service tools using various industry standard programming languages
- Evaluate emergent technologies and code maintenance releases for all Networking Support Services
- Investigate and maintain integrations utilized for Card Access and Camera Operations systems by:
- Assist in cataloging all inbound and outbound data flows from supported systems (OnGuard, Milestone, etc)
- Work with appropriate directors or departments to enhance integrations
- Apply best practice source control and CI/CD processes around all integrations
- Guide and extend the Monitoring Platform which notifies ITS Staff of problems prior to user impact including:
- Administer all servers and services which comprise the Monitoring Platform (iCinga, AKiPS, Alerta.IO, etc)
- Follow proper life-cycle management processes for the Monitoring Platform
- Work with Foundation Technology leadership to implement updates to the IT Monitoring Strategic Plan
- Collaborate with various directors to provide new and updated monitoring points for specific technologies
- Provide integrations between various systems to enhance the ITS Monitoring platform using

programming languages such as PHP, Python, Perl, and others
- Support Virtualization and Storage teams to enable automation including:
- Assist the teams with use of GIT and modern source control to centralize and track changes to often used scripts
- Foster an ecosystem of Infrastructure as Code by enabling or implementing automation tools (VROPS, AIOps, etc)
- Investigate self-service tools allowing other teams to provision guests using curated templates rather than direct vSphere/Prism access
- Develop seamless integration between Virtualization and Storage Platforms with the IT Monitoring Platform for "single pane of glass" visibility
- Identify opportunities to create tools which allow Service Desk and others to enact targeted functionality safely
- Manage various internal tools and services for Infrastructure Services including:
- Administer and extend the internal asset, shipping and receiving tools for tracking purchases and cable inventory levels (SnipeIT, etc)
- Manage network infrastructure and connectivity documentation platform (Wiki, etc)
- Maintain Network Operations Center digital displays for graphs, visualization of alerting and support ticket visibility
- Integrate with ITSM Tools as needed (Cherwell, HaloITSM, etc)
- Compose ad-hoc scripts, integrations and reports to support various initiatives as needed

Requirements:

- Bachelor's degree in computer science, Information Technology or similar education.
- 2-5 years' experience in a Programming specific or IT Support position that has focus on scripting/automation

Hiring Range: $82,600 - $103,300. WPI's benefits package includes a robust retirement match, wellness perks, tuition assistance and more!

This is an on-site role for first 90 days, with the opportunity to transition to a flexible, hybrid schedule.

FLSA STATUS
United States of America (Exempt)

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WPI is an Equal Opportunity Employer that actively seeks to increase the diversity of its workplace. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals with diverse backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.

To apply, visit: https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/DevOps-Engineer-II_R0002914

About WPI
WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

Diversity & Inclusion at WPI
WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

Contact Information

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

Contact

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Worcester Polytechnic Institute

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