

## Senior Systems/Automation Engineer

Illinois Housing Development Authority (IHDA), one of the Nation's preeminent Housing Finance Agencies and one of the State's ten largest financial institutions, is currently seeking a Senior Systems/Automation Engineer to build upon their 50+-year leadership in housing finance.

### Summary:

As a member of the Operations team the role demonstrates superior technical competency in design, develop and modify code to deliver Azure Core Services with automation and infrastructure as code. Translate design decisions, architecture designs to code for continuous deployment and repeatability. Leverage the latest DevOps and Cloud automation tools such as Azure Resource Manager templates, Bicep and Azure Powershell, Terraform, Ansible, Salt stack, Python, Azure DevOps, and GitHub Actions to deploy cloud solutions. Leads team's coding practices, release management. Collaborate with other passionate individuals on automation strategy and best practices. Create and document low-level designs, as built and standards on SharePoint/Teams. Collaborate with Solution architecture, BA's, platform engineering and product teams for delivering Infrastructure as code. Work within a project management/agile scrum teams in a leading role as part of a wider team. Utilizes Agile and DevOps Processes and Principles, Crafts CI/CD pipelines; converting builds to use native Azure build and release pipelines. The senior systems engineer will have detailed knowledge of industry standard practices and will have a thorough understanding of networking concepts.

This role is a key position within the IT department and will be called upon to resolve the highest-level technical issues.

### Responsibilities:

- Linux and Windows systems implementation
- Full IT system lifecycle administration from installation to decommissioning of systems in both physical data center and cloud
- Perform end to end management of on-premises and cloud based Linux and Windows systems
- Responsible for ensuring uptime of critical business systems and infrastructure through monitoring and timely remediation of critical infrastructure issues
- Measurement, optimization, and tuning of system performance and ensuring that systems will run reliably and are highly available in a 24/7 production environment
- Install, harden, and patch Linux/Windows operating systems
- Develop automation with Ansible, bash, python, or related technologies
- Serve on a rotating 24/7 on-call support team
- Understanding of virtual desktop infrastructure such as Azure Virtual Desktop

### Education and Experience Requirements:

- BS degree in Computer Science, Engineering, or a related subject
- 8 – 10 years of System Engineering experience with 4 years in a senior role
- Proven working experience in installing, configuring, and troubleshooting Hyper-V virtual environments
- Required proficiencies:
- Hyper-V

- Windows Server 2008 – 2016
- Experience in RED Linux Administration
- Proven Understanding of RedHat Satellite
- Exchange
- VPN, RDP, and terminal services
- Microsoft Azure
- Security software such as Anti-Virus, Anti-Spam, Anti-Spyware
- SAN (Dell Compellent or HPE)
- Experience with monitoring systems such as SolarWinds
  
- Advanced scripting skills (e.g., shell scripts, Perl, Ruby, Python, Powershell, Terraform, Ansible, Salt stack, Azure DevOps, and GitHub)
- Advanced networking knowledge (OSI network layers, TCP/IP)
- Excellent problem-solving and communication skills
- Highly motivated and self-driven, capable of working with little instruction to resolve demanding task and with internal teams
- Strong interpersonal and communication skills
- Experience working in an enterprise environment
- Experience with monitoring tools
- Strong collaboration and problem-solving skills, with the flexibility to work alternative coverage schedules
- Strong initiative and passionate about learning new technologies.
- Excellent written and verbal communication skills
- AWS configuration, deployment, and support experience
- Exposure to distributed systems networking concepts & protocols
- Experience with Infrastructure monitoring tools
- Fundamental Understanding of Networking & Security

Excellent benefits package, including 401 (k); immediate vesting.

To apply, submit resume to:

[https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=ee890b7a-c9a4-4880-b61b-79abf60f096e&ccid=19000101\\_000001&jobId=429880&source=CC2&lang=en\\_US](https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=ee890b7a-c9a4-4880-b61b-79abf60f096e&ccid=19000101_000001&jobId=429880&source=CC2&lang=en_US)

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