

Senior Software Engineer

The **Multi-State Lottery Association (MUSL)** is a non-profit, government-benefit association responsible for the operation of **Powerball®** and other multi-jurisdictional lottery games in the United States. As a **Senior Software Engineer** at MUSL, you will be an integral part of the Software Development Team that is responsible for the planning, designing, development, testing, and deployment of technology solutions in accordance with the software development life cycle policies and procedures.

The Software Development Team works closely with all departments to identify and implement solutions that add value to the organization and optimize efficiency. The team strives to continually improve the stability, security, scalability, and performance of MUSL's portfolio of solutions. They assist participating lotteries and vendors in connecting and reporting data as well as suggesting improvements. The Software Development team works closely with the Information Security department to ensure all safeguards to prevent malicious activities are executed. The team also provides technical support to the MUSL draw staff as well as backup support to other areas of Information Technology.

Primary Job Tasks and Responsibilities

- Lead complex technology initiatives.
- Act as a key participant in development and enforcement of standards.
- Review technology solutions, identify risks, and champion improvements.
- Ensure software and services are secure from intrusion.
- Analyze, design, and develop technical solutions using different programming tools (Visual Studio, Visual Studio Code, SQL Server Management Studio, Windows Subsystem for Linux, Excel, etc.).
- Assist team in building, maintaining, and supporting development, test, and production environments.
- Participate in maintenance activities and provide on-call support, including off-hours and weekends.
- Translate business requirements into technical direction, solution, and design specs.
- Create project plans for updates to existing systems and new development-based specs.
- Troubleshooting and problem resolution for existing and new projects.
- Prepare test plans for key changes and perform testing with users and IT personnel.
- Write and deploy programming code for use by MUSL and Member Lotteries.
- Review code as needed to determine efficiency and effectiveness.
- Effectively convey ideas, images, and goals to a diverse group of skilled and unskilled personalities and be able to implement them accordingly.
- Build and automate development and release processes in Azure DevOps.
- Ensure infrastructure is up to date and secure.
- Identify issues in technical environments/infrastructure and debug.
- Positively and professionally represent the Association.
- Provide general assistance and support to MUSL members.

Key Competencies

- Critical thinking and problem-solving skills
- Decision-making
- Communication skills
- Influencing and leading
- Delegation
- Teamwork
- Adaptability
- Stress tolerance
- Organizational and planning skills
- Information gathering and monitoring skills
- Initiative
- Confidentiality
- Multi-tasking
- Attention to detail, accuracy
- Willing to maintain and learn new skill sets
- Ability to deal with conflict

Experience and Education

- Bachelor's degree in computer science or related field, or minimum of 5 years of job-related experience.
- Excellent Microsoft SQL Server (SSIS, SSRS, T-SQL, Stored Procedures, Triggers) and data access optimization techniques.
- Exceptional with Microservice environments using Docker and Kubernetes.
- Experience with the following:
 - .NET Core, C#, JavaScript, CSS, and HTML.
 - One or more of the following single page architectures, Vue.js, AngularJS, React.
 - Using SCSS, Node JS, and Webpack.

- Using Git.
- General knowledge of the following:
 - Building and maintaining CI/CD platforms.
 - Servers (physical and virtual) (Windows and Linux) and configuration of FTP, IIS, etc.
 - Azure cloud services.
 - SDLC (Software Development Life Cycle) and Agile methodologies.
 - Hybrid cloud environments.
 - Prometheus, Grafana, Datadog, and other monitoring tools.

Benefits

- Health, Dental, and Vision Insurance
- Company paid Life Insurance, Short-Term and Long-Term Disability Insurance
- Competitive Paid Time Off plan
- Generous retirement contribution
- Company paid continuing education
- Flexible schedule and an emphasis on work-life balance
- Challenging work with the ability to make a difference

When applying, please include a brief cover letter describing why you are a good fit for the role.

Job Type: Full-Time, On-Site