# Information for Graduate Assistant Posting

**Software Engineering Graduate Assistant**

*Associated Electric Cooperative | Springfield, Missouri*

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| Duration of GA Appointment<br><br>**Individual must be available for entirety of appointment** | Spring 2027: January 11 to May 14, 2027<br>Summer 2027: June 1 to July 30, 2027<br>Fall 2027: August 16 to December 16, 2027 |

## Position Summary

The Software Engineering Graduate Assistant will supplement a software product team at Associated Electric Cooperative, Inc. by performing software engineering and related technical work from the team's ongoing backlog.

## Description

Working under the guidance of experienced engineers, the Graduate Assistant will contribute to the design, development, testing, maintenance, and support of software applications, data integrations, and related technical solutions. Assignments will be selected based on team priorities and the individual's demonstrated capabilities and may include new development, application enhancements, defect resolution, technical debt reduction, automation, data work, documentation, and production support. The Graduate Assistant will participate in the team's normal engineering and Agile delivery practices and collaborate with both technical team members and business partners.

## Position Responsibilities

- **Software Engineering:** Develop, enhance, and maintain applications and services using technologies such as C#, .NET, SQL, web technologies, and Microsoft Azure.
- **Data and Integration Development:** Assist with the development and maintenance of APIs, data integrations, data pipelines, and related solutions used to exchange, process, and make business information available.
- **Application Maintenance and Support:** Troubleshoot defects, implement application enhancements, address technical debt, and assist with keeping supported applications current, reliable, and maintainable.
- **Testing and Quality:** Develop and execute automated and manual tests, participate in code reviews, and help validate application functionality and reliability.
- **DevOps and Delivery:** Participate in team development practices including Git-based source control, automated builds and deployments, work tracking, backlog refinement, and sprint execution.
- **Documentation:** Create and maintain clear technical documentation for applications, interfaces, processes, designs, and support procedures.
- **Team Collaboration:** Work with engineers, business partners, and other Information Services teams to understand requirements, solve problems, and deliver effective solutions.

## Education and/or Experience

Currently enrolled in an applicable graduate program at Missouri State University. Coursework or practical experience in computer science, software engineering, information technology, data science, or a related discipline is preferred.

## Skills, Proficiencies, Other Requirements

- Working knowledge of at least one modern programming language; C# and .NET experience is preferred.
- Working knowledge of SQL and relational database concepts.
- Familiarity with object-oriented programming and general software engineering principles.
- Familiarity with web applications, REST APIs, or application integration concepts.
- Familiarity with Git or another source-control system.
- Strong analytical and problem-solving skills with the ability to troubleshoot technical issues methodically.
- Ability to learn new technologies, applications, and business concepts with appropriate guidance.
- Strong organizational and time-management skills with the ability to manage multiple assignments and changing priorities.
- Self-motivated and capable of completing well-defined assignments independently after receiving appropriate direction.
- Excellent written and verbal communication skills. Able to collaborate effectively with technical team members and business partners, ask questions when requirements are unclear, and provide concise updates on progress, risks, and blockers.
- Experience with Microsoft Azure, Azure DevOps, Databricks, automated testing, CI/CD, or data engineering technologies is beneficial but not required.

***Please email resume and cover letter with interest. Be sure to include specific listed skills, proficiencies, experiences, and knowledge to radamson@missouristate.edu. First consideration will be on Wednesday, December 2nd.***