# NOTICE OF JOB OPENING

May 15, 2025

Utah Associated Municipal Power Systems ("UAMPS") has an opening for a Associate Software Engineer.  The salary range for the position is $81,401 to $122,102 annually (DoE).  Please see the attached job description for details of essential functions and qualifications.  Applications accepted until June 6, 2025. Applicants must submit a cover letter and resume to [resume@uamps.com](mailto:resume@uamps.com).

# Job Description

Job Title: Associate Software Engineer

Department: IT

Position Reports To: Managing Director of IT

Position Supervised: None

## Job Overview

Responsible for developing, maintaining, and optimizing comprehensive software systems under the guidance of the lead software engineer.  This includes designing and implementing front-end interfaces, backend services, databases, and APIs to support power scheduling, telemetering, accounting, billing, and forecasting functions.  Performs software and database design, coding, testing, debugging, documentation, and implementation of interactive web-based and application-based systems.  The Associate Software Engineer also helps document development activities, supports end-user training, and ensures timely access to systems and data to enable effective decision-making. Reports progress and issues to the lead software engineer and director of IT as needed.

## Responsibilities and Duties

1. Assumes responsibility for the effective performance of assigned software development functions. Design, develop, and maintain software applications using Universe Basic, Python, Javascript, HTML, CSS, and modern front-end frameworks such as React.  Some development of mobile applications using a flexible framework like React Native.
   a. Maintains integrated software systems including those related to power scheduling, telemetering, general accounting, billing, payroll, and forecasting.
   b. Assists in maintaining the billing and forecasting systems, secured interactive websites, integrated web-based tagging, and accounting functions.
   c. Works to track and solve technical problems.  Gathers information from users and outside organizations to define problems and writes application programs and procedures to address issues.
   d. Develops new software as assigned to meet evolving needs of the Company.  Designs code to be easy to read and adjust, and reuseable in future systems.
   e. Adapts current software to meet user's needs and requirements.
   f. Performs data and software conversions for transfer between various hardware platforms.  Ensures software flexibility.  Troubleshoots and modifies software as needed during hardware and software upgrades.
   g. Investigate new software technologies and industry trends and recommend software upgrades and improved operating processes.
   h. Assists in flow charting and diagramming processes and provides documentation of programming activities and software systems as needed.
   i. Checks functionality of programming code and ensures that assigned sections are completely bug free.
   j. Make suggestions to increase efficiency in project development and to ensure that deadlines are met.
   k. Creates intuitive and responsive user interfaces using modern front-end frameworks and libraries.
   l. Develops and integrates a combination of RESTful APIs and SOAP APIs to enable seamless communication between front-end, back-end and third-party systems.
   m. Works with Universe MultiValue (NoSQL) databases to store, retrieve, and manipulate data efficiently.

2. Assumes responsibility for effectively performing analyses, maintenance, and upgrades of application programs and information systems.
    a. Identifies probable interactions of related computer systems and predicts the impact of new programs on the total system.  Recommend adjustments as appropriate.
    b. Gathers data and assesses user information, reporting, and system's needs.  Devise new and relevant data sources and apply them to developing innovative approaches to streamline operations.
    c. Analyzes business functions and management information needs and seeks new and more effective programming solutions.
    d. Analyzes, reviews, enhances, and tailors existing programs to increase operating efficiency or to adapt to information needs.
    e. Prepares program test data, analyzes test results, and specifies data control procedures for modified and enhanced programs.
    f. Ensures compliance with established standards, policies, and procedures.
    g. Maintains system security, integrity, and backup.  Maintains confidentiality of sensitive data.
    h. Writes clean, maintainable, and well-documented code following best practices and coding standards.
    i. Testing and debugging to ensure the stability and performance of applications
3. Assumes responsibility for establishing and maintaining professional working relationships with members, suppliers, and outside contacts.
    a. Tracks and resolves problems promptly and effectively.
    b. Obtains and conveys information as needed.
    c. Promotes goodwill and a positive image of the Company.
4. Assumes responsibility for establishing and maintaining effective working relationships with area staff and with management.
    a. Coordinates activities under the direction of the Managing Director of IT.
    b. Trains users and members of software and hardware applications.
    c. Provides support on database reconciliations and operating problems.
    d. Keeps management well informed of area activities and of any significant problems.
    e. Completes assigned documentation accurately and timely.
    f. Attend meetings as required.
5. Assumes responsibility for related duties as required or assigned.
    a. Ensures that the work area is clean, secure, and well maintained.
    b. Performs miscellaneous projects as assigned.
    c. Updates technical skills as required.

# Performance Measurements

1. Programming functions are effective and timely.  Programming operations support the evolving requirements of software systems throughout the organization.
2. Users and members can effectively utilize established systems.
3. Current applications are continually and effectively analyzed to ensure that information needs are met.  Programs are updated, enhanced, and customized as needed.
4. Software and operational problems are effectively researched and resolved.
5. Company information needs are met.  Suggestions for improvements are made.
6. Programming goals and projects are completed on schedule.  Programming functions are completed in accordance with established policies and procedures.
7. Data integrity and quality programs are maintained.  Programs are efficient.
8. Good working relationships exist with area staff and with management.  Requests for help are responded to promptly.

# Qualifications

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| Education/Certifications | Associate's degree in computer science or an equivalent combination of education, training, and computer experience. Bachelor's degree or equivalent experience is preferred. |
| Required Knowledge | <ul><li>Full stack development principles and practices</li><li>Proficiency in Python, JavaScript, and preferably Basic</li><li>Hands-on experience with front-end technologies such as React, Angular, or Vue</li><li>Familiarity with Universe Multivalue databases or NoSQL databases</li><li>Understanding of RESTful and SOAP APIs</li><li>Knowledge of version control systems, particularly Git and Github</li><li>Basic understanding of Docker and containerization concepts</li><li>Relational and multi-value database programming</li><li>Application programming and integrations with third-party APIs</li><li>Deep programming language knowledge</li><li>Ability to develop unit testing of code components or complete applications</li><li>Understanding of UAMPS operations, accounting systems, utility metering, and related software applications</li></ul> |
| Required Experience | One to two years of related software development experience. With a preference for full-stack experience. |
| Required Skills/Abilities | <ul><li>Solid organizational skills.</li><li>Strong communication skills and ability to work in a collaborative environment.</li><li>Attention to detail.</li><li>Excellent analytical abilities.</li><li>Good interpersonal skills.</li><li>Strong project management abilities.</li><li>Willingness to assist others and support others.</li><li>Able to operate all related computer applications including Microsoft Office.</li></ul> |

# Physical Activities and Requirements of this Position

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| Repetitive Motions | Movements frequently and regularly required using the wrists, hands, and/or fingers. |
| Talking | Especially where one must frequently convey detailed or important instructions or ideas accurately, loudly, or quickly. |
| Average Visual Abilities | Average, ordinary, visual acuity necessary to prepare or inspect documents or products or operate machinery. |
| Average Hearing | Able to hear average or normal conversations and receive ordinary information. |
| Physical Strength | Sedentary work; sitting most of the time. Exerts up to 20 lbs. of force occasionally. (Almost all office jobs.) |

# Working Conditions

No hazardous or significantly unpleasant conditions. (Such as in a typical office.)