



SOFTWARE DEVELOPER III – APPLICATION DEVELOPMENT

Position Status:	Exempt
Reports To:	Application Development Manager
Effective Date:	04/01/00
Revised Date:	12/4/24
Job Level:	P3

POSITION SUMMARY

Under direction, this position:

1. Creates, tests, implements and maintains enterprise software systems and databases to support the business needs of the Alliance
2. Conducts estimation and sprint planning for software projects as part of the Agile development cycle at the Alliance
3. Performs other duties as assigned

DISTINGUISHING CHARACTERISTICS

The Software Developer III - Application Development is the advanced working level in the Software Developer - Application Development series and is distinguished from the lower-level Software Developer II - Application Development by the former's responsibility for working independently with customers to refine requirements, design robust solutions, and build innovative application implementations. This classification is distinguished from the Software Developer IV - Application Development by the latter's responsibility for working with the most critical applications and systems and leading software development projects.

RESPONSIBILITIES

1. Plans, schedules, and coordinates the design, development, testing, implementation and modification of software applications using appropriate design techniques with duties including but not limited to:
 - Creating applications to move, extract, transform and load data to and from disparate data systems, formats or files
 - Adding new features to existing applications using .NET technologies, based on regulatory needs or user requests.
 - Ensuring timely response to production issues, including assessing bug reports, analyzing error messages or logs, and making recommendations on potential fixes
 - Developing user instructions, operational instructions, and design documentation according to IT group standards
 - Adapting purchased software systems to conform to user constraints and requirements
 - Creating reports from user requests, either by creating programs or through third party software
2. Conducts estimation and sprint planning for software projects as part of the Agile development cycle at the Alliance, with duties including but not limited to:
 - Performing estimation and sprint planning by interacting with project managers, product owners, and other Alliance staff to determine and validate the business needs and requirements

- Proposing, designing, and developing solutions based on requested feature sets and business requirements
- Planning, scheduling, and coordinating the development, testing and implementation of software applications
- Coordinating project development and maintenance with users, staff, vendors, and outside agencies

3. Performs other duties, as assigned by management

EDUCATION AND EXPERIENCE

- Bachelor's degree in management information systems, Computer Science or a related field and a minimum of five years of software development experience, from specification stage through implementation; or an equivalent combination of education and experience may be qualifying

KNOWLEDGE, SKILLS AND ABILITIES

- Working knowledge of, and proficiency in, Microsoft SQL Server Database
- Working knowledge of SQL queries and relational database concepts
- Working knowledge of TSQL stored procedures, functions and triggers
- Working knowledge of C#
- Working knowledge of SQL Server Integration Services (SSIS)
- Working knowledge of XML technologies, including XPath and XSLT
- Working knowledge of JSON file formats
- Working knowledge of and proficiency with Windows based PC systems and Microsoft Office tools
- Some knowledge of the principles and practices of project management and coordination
- Experience with Microsoft Visual Studio 2019 or later
- Experience with Git
- Experience with agile software development methodologies
- Experience in developing and integrating web services, including RESTful APIs
- Ability to learn and adapt vendor-supplied software tools
- Ability to gather and analyze complex data and information, troubleshoot issues, and develop practical and effective solutions
- Ability to understand and document business users' requirements
- Ability to effectively communicate with vendors and software support staff regarding systems specific issues
- Ability to provide technical guidance to other programming and systems staff
- Ability to work independently with minimal supervision and as a member of a team

DESIRABLE QUALIFICATIONS

- Working knowledge of X12 HIPAA EDI File Formats (837,834,835,274, etc.)
- Working knowledge of ASP.NET MVC web application framework
- Experience working with Azure DevOps
- Experience working with frontend web development technologies, including JavaScript/iQuery, CSS, and HTML

- Experience with PowerShell scripting
- Experience with analytical report writing
- Experience or working knowledge of automated unit testing techniques
- Experience with the Snowflake cloud platform

WORK ENVIRONMENT

- Ability to sit in front of and operate a video display terminal for extended periods of time;
- Ability to bend, lift, and carry objects of varying size weighing up to 10 pounds; and
- Ability to travel to different locations in the course of work

This position description, and all content, is representative only and not exhaustive of the tasks that an employee may be required to perform. Employees are additionally held responsible to the Employee Handbook, the Alliance Standard Knowledge, Skills and Abilities and the Alliance Code of Conduct. The Alliance reserves the right to revise this position description at any time.