



Software Developer

Position: Software Developer
Business Area: HSX Information Technology
Reports To: Manager/IT Engineering
Classification: Full Time, Exempt

Position Summary

The Software Developer at HealthShare Exchange (HSX), as a member of the Engineering Team, will be working on developing new products as well as implementing projects relevant to all services and business areas of HealthShare Exchange.

Responsibilities

- Manage and deploy key pieces of HSX infrastructure in Amazon Web Services (AWS) using an Infrastructure-as-Code approach.
- Develop and refine HSX's Marketplace – "MarketStreet" Application Programming Interfaces (APIs) and accompanying tests.
- Design and develop innovative software solutions that solve tough challenges for HSX through automation and improved efficiency.
- Design, build and maintain efficient, reusable and reliable code.
- Provision RDS, PostgreSQL & Aurora databases in AWS
- Assist with duties related to on-going operational database infrastructure in the cloud.
- Monitor database performance and perform tuning, as needed.
- Monitor success of database backups and encryption.
- Periodically test the database backup recovery capabilities to ensure the integrity of the process.
- Manage multiple job duties through efficient task management.
- Communicate effectively with business partners and clients when needed.
- Participate in code reviews and provide guidance to other developers.
- Document and demonstrate solutions by developing documentation, flowcharts and diagrams.
- Help to define testing strategies to assure the quality and accuracy of our processes.

- Serve as a technical support resource when operational issues arise and are escalated.
- Improve operations by conducting systems analysis and recommending changes in policies and procedures.
- Contribute to on-call staff coverage.
- All other duties as assigned.

Additional Responsibilities

- Maintain a professional, trusting relationship with coworkers and members.
- Maintains professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; benchmarking state-of-the-art practices; participating in professional societies.
- Recommends information technology strategies, policies and procedures by evaluating organization outcomes; identifying problems; evaluating trends; and anticipating requirements.

Qualifications

Required

- Bachelor's degree in computer science, engineering or related field, or equivalent combination of education and experience.
- Three (3) or more years of experience in software development. If less than two (2) years of experience, then relevant technical abilities using the preferred technologies listed would be acceptable.
- Experience with Cloud Computing providers (AWS Preferred)
- Experience with scripting and or Object-Oriented languages: JavaScript (Node.js), Python and Java preferred
- Experience in a healthcare or healthcare support industry is strongly desired
- Experience with using one or more relational and non-relational databases (Postgres, MySQL, MongoDB, Elasticsearch, DynamoDB, Redis, etc.)
- Ability to translate requests and questions into executable code, customize queries or code as needed to adjust for data quality and other known issues within databases
- Experience writing unit and integration tests
- Familiarity with version control tools (Git, SVN)

Additional/Preferred

- Knowledge of HIE services and Health Information Technology (HIT) and networking.
- Experience developing healthcare integration applications using any standardized interface engine with Mirth Connect preferred or equivalent: Cloverleaf or Rhapsody as an example
- Experience with working with large and complex data sets, healthcare data and database structures, and data modeling and report generation
- Experience with NextGen (Mirth) Connect, NextGen (Mirth) Results, NextGen (Mirth) Match and NextGen (Mirth) Mail, or similar HIE technologies
- Experience with cloud database management and configurations for performance, cost optimization, scalability, utilization and security

- Knowledge of database design and theories
- Familiarity with database management best practices
- Knowledge of data security best practices
- Experience with modern frontend frameworks (e.g., React)
- Experience with serverless development/deployment paradigms
- Experience implementing or working with monitoring/alerting of distributed systems
- Strong operational experience in Linux/Unix environment with configuration management, monitoring and system tools (Ansible, Puppet, etc.)
- Experience with CI/CD platforms (Terraform, Jenkins, etc.)
- Experience with Docker containers and orchestrators