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 Programing 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