Kara Johnson

Software Engineer | Tools & Pipeline

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Objective

Experienced technical professional seeking a role in healthcare application analysis, clinical informatics, and medical device integration. Skilled in optimizing workflows, developing automation tools, and troubleshooting applications. Adaptable communicator capable of translating healthcare needs into effective software solutions.

Experience

Tools Engineer (Virtual Production Pipeline Tech)   Nov 2024 – Present

That's No Moon

Projects: Unannounced Game

- Develop pipeline tools to improve artist efficiency, contributing to over 8 process improvement initiatives
- Maintain 2 database applications for Windows and Linux, adapting features to system needs and user feedback
- Integrate new and existing plugins into the game engine editor by configuring tools for various build settings
- Collaborate with over 25 internal customers, gathering technical requirements and resolving support issues
- Write documentation for over 10 tools and mentor end-users to ensure alignment with workflow expectations
- Create interface program connecting capture data to game engine, reducing calibration time by 50% per actor

Software Engineer in Test   Oct 2022 – Nov 2024

ESO Solutions

- Developed pipeline to transform HL7 messages into NEMSIS data, enabling real-time hospital data exchange
- Led major version releases for web application with minimal disruption to critical systems of 3,000 agencies
- Provided application support and wrote code to address bugs in enterprise electronic health record databases
- Served as engineering liaison by translating clinical workflow requirements into technical design specifications
- Designed test plans for large client accounts, ensuring accuracy and HIPAA compliance of over 500,000 records
- Proposed and implemented a continuous delivery pipeline for automated testing, decreasing QA time by 80%

Technical Skills

Programming:
- SQL
- Python
- C++
- C#
- JavaScript/TypeScript

Software:
- HL7, NEMSIS
- Azure DevOps
- Snowflake Database
- Unreal Engine 5
- Perforce, Git

Education

Seattle College

Courses: Epic Essentials

Texas A&M University   May 2022

Bachelor of Science in Architectural Engineering: Mechanical Systems   GPA: 4.0

Service and Activities

Healthcare Information and Management Systems Society (HIMSS) – Member