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# WILLIAM SEASE

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## SKILLS

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- **Cloud and Virtualization:** Citrix, VMware, Azure, AWS
- **Scripting and Programming:** PowerShell, Bash, Python, R, C, C++, C#, Java
- **Full Stack Development:** HTML, CSS, JavaScript, PHP, SQL
- **Data Analytics:** ETL processes, data visualization, statistical analysis
- **Healthcare Interoperability Standards:** FHIR API, Bulk FHIR, QDM and QI-Core Clinical Quality Language, MADiE
- **Systems and Infrastructure:** Windows and Linux administration, application and desktop delivery as-a-service
- **Monitoring and Support Tools:** ServiceNow, Git
- **Project and Process Management:** Cross-functional collaboration, system migration, performance optimization
- **Communication:** Technical presentations, stakeholder engagement, equity-focused education

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## PROFESSIONAL SUMMARY

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Resourceful Data Analyst, Software Developer, and System Administrator who consistently responds to a wide range of technical challenges with a focused and creative approach. Highly effective at problem solving and decision making. Two years of data analytic and software development experience and four years of progressive IT experience.

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## WORK HISTORY

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**Data Analyst II**, 01/2024 - 11/2025

**American Medical Association, Improving Health Outcomes (IHO)** - Greenville, SC

- Supported the ETL of PHI and aggregate data from over 20 different healthcare organizations, building relationships, performing quality assurance checks, and building metrics to provide data-driven evidence for the IHO programs.
- Researched opportunities to improve IHO programs, creating dashboards and visuals for tracking performance improvement.
- Developed custom data extraction software for single-source and bulk FHIR endpoints.
- Contributed to an open letter by the AMA to CMS concerning FHIR and Bulk FHIR extractions and their use in quality improvement metrics in value-based programs.
- Designed QDM and QI-Core eCQMs in MADiE, published by the eCQI resource center.
- Built internal tools for tracking equity training hours across the business unit, and gave business unit-wide presentations on the uses and dangers of GenAI to equitable healthcare.
- Constructed an in-house synthetic data generator for use in data quality and assurance processes.

**Client Systems Administrator**, 09/2019 - 09/2021

**Epic Hosting LLC** - Verona, WI

- Maintained multiple customers' Citrix and Azure environments with zero minutes of unplanned Production downtime.
- Merged the Software-as-a-service and third-party integrations between two of the largest hospital systems in the southeastern United States.
- Completed a full transfer of a customer's existing EMR system to Epic Hosting.
- Developed internal scripts to monitor and alert on unexpected shifts in the customers' environments.

**Undergraduate Researcher**, 01/2018 - 05/2019

**Clemson University** - Clemson, SC

- Harnessed Clemson's Palmetto supercomputing cluster to complete retrotransposon research using various programs such as BLAST and LTRHarvest.
- Utilized Bash and Python in the search for unique retrotransposons in the Olive Baboon genome.
- Designed a unique data pipeline for comparing two genomes' retrotransposons.

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## EDUCATION

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**Bachelor of Science:** Biochemistry, 06/2019

**Clemson University** - Clemson SC

- Minor in Computer Science
- Palmetto Life Scholarship
- Dean's List