

AJ Hennessy

Phone: 316-641-9546 | Email: ajhennessy17@gmail.com

Work Experience

Software Developer | Burns & McDonnell

Jan. 2022 – Current

- Boosted workflow efficiency by developing web applications, achieving up to a 65% reduction in process times for key operations
- Designed and deployed full-stack solutions utilizing Angular 14 and a Python/NodeJS-based backend, enhanced by Docker for consistent, environment-agnostic deployments
- Managed databases and storage solutions using Azure Cosmos (transitioned from SQL Server) and Azure Blob storage, ensuring high availability and scalability
- Collaborated on the orchestration of development, testing, and production environments across Azure DevOps and Azure Services, facilitating seamless change management and zero-downtime deployments to production
- Implemented and refined the CI/CD pipeline in Azure DevOps, accelerating deployment processes by 20% and significantly reducing manual intervention
- Developed an automated testing framework as part of the CI/CD pipeline, increasing code coverage by 82% and substantially improving code quality

Software Developer (Senior Project) | US Air Force

May 2020 - May 2021

- Developed an advanced autonomous navigation system utilizing GPS and LIDAR technology to enhance terrain adaptability for an all-terrain robot using C++ and ROS
- Utilized simulation tools to rigorously test and validate code, ensuring high reliability and performance under diverse operational conditions
- Managed version control with Git, facilitating effective collaboration with team members and maintaining a robust codebase across multiple development phases

Software Developer Intern | Keycentrix

Sept. 2019 - Feb. 2020

- Developed and implemented development tools and unit tests for C# applications, enhancing code coverage by 16%
- Utilized JIRA for managing and tracking the completion of feature requests and bug fixes, improving issue resolution efficiency and team agility

Education

Georgia Institute of Technology

Aug. 2021 - Dec. 2023

- M.S. in Computer Science, Specialization in Computing Systems
- GPA: 3.8
- Relevant Coursework: Graduate Algorithms, Knowledge Based AI, Game AI, Network Security, Software Arch. & Design, Software Analysis & Test

Wichita State University

Aug. 2017 - May 2021

- B.S. in Computer Science, Cum Laude
- Minor: Mathematics

Skills

- Proficient: Angular, Python, SQL, Azure Services, Azure DevOps, Git, NodeJS
 - Familiar: C++, C#, Java, NoSQL, React, Linux
-

References Available Upon Request