

I am a professional software engineer passionate about anything and all software related. My interests align with the creation of bleeding edge technology and advancements to further push the boundaries of engineering as a whole for the benefit of everybody.

## Work Experience

Software Engineer II	Pathward	March 2022 – Present
Commercial Finance Engineering	Sioux Falls, SD / Remote	
<ul style="list-style-type: none"><li>Converted stored procedures into console jobs, improving maintainability and opening the door for REST API architecture</li><li>Ensured synchronization of all loan data throughout our loan processing services with the usage of Event Buses, SQSs, and Lambdas increasing business efficiency by 20%</li><li>Optimized ETL processes in a core data warehouse application by identifying and resolving data inconsistencies, leading to a reduction in data errors by 20%</li><li>Revamped a core application by integrating the Angular TypeScript framework, optimizing data warehouse access and significantly enhancing the speed of the data transfer process by 35%</li><li>Integrated a third party loan system into our credit loan app using API Endpoints and Lambdas in under a 1 month time frame ensuring a seamless transition of commercial properties and assets into a core data warehouse</li><li>Developed a reusable financial pipeline for new lending partners with DynamoDB, API Gateway, and Lambdas allowing for millions of new dollars a day to flow to core commercial applications</li><li>Implemented a devops bug tracking system that resolved 70% of recurring bugs</li><li>Initiated efforts to add 85% code coverage to legacy codebases and 90%+ of all new code</li><li>Developed full stack software utilizing Angular Typescript framework supported by AWS backend design</li></ul>		
Software Engineer	Millennium Software Inc. / Ford Motor Company	May 2018 - Aug 2018
Information Technology Department	Dearborn, Michigan	
<ul style="list-style-type: none"><li>Engineered full stack solutions using Java, SQL, HTML, and CSS to develop a multi-million-dollar website which increased product development efficiency by 3% and file upload speed by 500%</li><li>Collaborated with 10 team members and organized weekly deadlines to review and ensure quality production code was made</li></ul>		

## Projects

3D Resume Portfolio	2025
<ul style="list-style-type: none"><li>Created a React Web App live hosted on Firebase to showcase my skills of React and 3D modeling</li><li>Uses clean, reusable code and is well documented with version control through <b>Git</b></li></ul>	
Airline Reservation System	2020
<ul style="list-style-type: none"><li>Developed with C# and .NET to produce a high-quality app in Visual Studio</li><li>Used a depth search graph to connect airports and allow for new airports to be added</li><li>Collaborated with 2 others to document, debug, and develop the app over 3 months</li></ul>	
Monopoly Board Game	2017
<ul style="list-style-type: none"><li>Developed with Java and JavaFX to develop a fully functioning board game</li><li>Designed alongside 1 other person with bi-weekly check-ins to produce for Honor's Object-Oriented Programming</li></ul>	

## Technical Skills

Languages: C# | C++ | C | Python | HTML | CSS | Javascript | Typescript | SQL | Java | .NET | Linux | Visual Basic  
Technologies: AWS | React | Angular | SSMS | Unity | Git | Azure DevOps | GitKraken | Docker | Playwright | Storybook | Postman

## Education

Bachelors of Science, Computer Science and Eng., University of Toledo, 2017 - 2021 | 3.8 GPA | President's List 7 semesters  
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