

# Tyler Jaacks

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## Technologies

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**Languages:** Java, JSP, JavaScript, Thymeleaf, C++, C#, SQL, HTML, CSS

**Technologies:** .NET, Oracle SQL, AWS S3, AWS Lambda Function, AWS DynamoDB, AWS EC2, Tomcat

## Education

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**Iowa State University**  
*B.S. in Computer Science*

*Aug. 2016 – Dec. 2022*

## Experience

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**Software Engineer**  
*Telligen*

*West Des Moines, IA*  
*Dec. 2022 – Aug. 2022*

- Support, update, maintain, and develop features for a SpringMVC JSP web application used by hundreds of nursing homes and hospitals to track and analyze their corresponding medical data.
- Implemented a content management system for our existing web application to support training materials for staff and users.
- Took ownership of a project for tracking patient oncology reports and outcomes.
- Migrated our existing SpringMVC web application to Spring Boot with Thymeleaf.
- Migrated two additional SpringMVC web applications to the latest versions of Java, Spring, and Tomcat.
- Integrated Okta 2FA support into an existing project.

**Software Engineer Intern**  
*Telligen*

*West Des Moines, IA*  
*May 2021 – Dec. 2022*

- Support, update, maintain, and develop features for a SpringMVC JSP web application used by hundreds of nursing homes and hospitals to track and analyze their corresponding medical data.
- Developed a series of AWS Lambda functions to handle ETL processing of large-scale medical data.
- Improved DataTable load performance from several minutes to near-instant by implementing a generic server-side API using range, query, and offset parameters.
- Developed data processing jobs for imported medical data in CSV format.

## Projects

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**WinDurango**

[github.com/WinDurango](https://github.com/WinDurango)  


- Achieved 1k+ GitHub stars, 40+ forks, and built a 1,000+ member community across Discord and Reddit.
- Developed WinDurango, an Xbox One compatibility layer for Windows, to support video game preservation.
- Built and led a developer and user community on GitHub, Discord, and Reddit.
- Enabled popular titles like *Minecraft: Xbox One Edition* to run natively on PC.