

# Kaleb Kohn

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## EXPERIENCE

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### Sentry Insurance – Software Developer

May 2025 – Present

- Integrated fraud detection flags into Amazon Connect to block payments with known fraudulent methods by updating AWS Lambda functions, Lex bots, and Contact Flows
- Implemented a policy archival service in ASP.NET to extract policies from Microsoft CRM, store them in Amazon S3, and enable PDF report generation to retrieve and format archived policies
- Built a service in ASP.NET to extract and map agency data from an internal system into Microsoft CRM, using parallel processing to optimize performance and reduce data transfer time

### Sentry Insurance – Associate Software Developer (Coop/Intern)

May 2022 – May 2025

- Converted Excel reports manually edited by business teams to a Java Spring MVC webpage that displays the same data pulled from SQL server database, saving 700+ hours annually
- Developed React components using JavaScript/Typescript for a Dynamics 365 application for customer service agents to use when interacting with customers
- Designed a scalable service using Docker, Jenkins, and Spring Boot 3 to host multiple REST APIs for internal websites, fetching and processing data from a SQL Server database, enabling efficient deployment and continuous integration in an Agile environment.
- Collaborated in Agile Scrum teams, participating in sprint planning, stand-ups, and retrospectives

### Air Force National Guard – Maintenance Analyst (Secret Clearance)

April 2019 – April 2025

- Deployed to Saudi Arabia tracking information supporting operations Spartan Shield and Inherent Resolve in over 500 combat sorties and 8,000+ maintenance actions
- Analyzed F-35 and F-16 aircraft data to identify trends impacting missions, delivering insights and visual reports to leadership
- Managed and operated Maintenance Information System (MIS), validating data integrity and assisting users in troubleshooting issues

## EDUCATION

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### University of Wisconsin – Madison

January 2021 – May 2025

*B.S. In Computer Science, certificate in Data Science*  
GPA: 3.64

## PROJECTS

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- Badger Solar Racing Club: Reduced CPU consumption of the chase car dashboard by 80% using FastAPI and optimized JavaScript-driven React components
- Web Scraping Script: Python script to gather realtor data in Chicago, automating 40+ hours of manual work
- Run Planning Web Application: Django web application generating running routes based on user input using Strava and Mapbox APIs, with an SQLite database

## LANGUAGES/TECHNOLOGIES

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- Java, Python, JavaScript, TypeScript, C, HTML, CSS, SQL, R
- React, Docker, Jenkins, Spring Boot, Django, JUnit, Node, jQuery, Git, Mongo DB, SSMS