

# JONATHAN A. SADDLER, PH. D.

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## **Education**

Spring Core Training, TechData/ExitCertified US, Instructor-Led Online. December 2021.

Ph. D. in Computer Science, University of Nebraska, Lincoln, NE. May 2020.

M. S. in Computer Science, University of Nebraska, Lincoln, NE. August 2016.

B. A. in Computer Science, DePauw University, Lincoln, NE. Graduated May 2013.

## **Computing Skills**

Programming Languages: C#/.NET, Java 8 & 11, Python 3, C++, TypeScript/JavaScript, including 50+ hours training in building frontend apps in React.JS

Web Technologies: .NET Framework 5/6, Spring Boot 5 Rest Framework, Django Rest, NodeJS. *See my React/Spring Boot GitHub Repos at <https://github.com/jazad136>, updated weekly*

## **Additional Computing Experience**

Web Director, WGRE 91.5 FM, Greencastle

Greencastle, IN, August 2010 – May 2013

Take mockups supplied by management and implement a custom-needs based design in ASP/.NET

Collaborate with 4 of 7 station directors to produce and incorporate weekly content updates.

Successful in helping drive WGRE to earn distinction of Princeton Review's #2 college station in America.

## **Research Assistant, University of Nebraska Lincoln**

Lincoln, NE, August 2013 – May 2020

Extend and publish techniques that automate testing on Java and C# WPF desktop applications.

Lead three publications as data analyzer and process eyetracker experiment CSV's using Python/R.

## **Software Developer Intern, Workday**

Boulder, CO, May 2018 – August 2018

Extend tenant assignment algorithms by implementing CSP solver techniques in Java 8.

## **Teaching Assistant Professor, East Carolina University**

Greenville, NC, August 2020 – May 2021

Teach program construction, data structures and algorithms using Java and Python.

Manage developer teams to help complete 6 large-scale Java, NodeJS, C++, and Visual Basic projects.

## **Certifications**

VMWare Spring Certified Professional 2021 (VCP in Spring)

(Certified Dec. 2021)

Tested on Core Aspects of Spring Core, Spring Boot, REST, Security, Actuator and Test Suite