

Education

University of Wisconsin - Platteville

BS Software Engineering

Sep. 2017 | May 2021

Technical Skill Summary

Programming Languages: Java, C#, TypeScript, JavaScript, Python

Markup Languages: LaTeX, Markdown, HTML

Frameworks: Angular 2+, AngularJS, Spring, .NET

Databases: SQL Server, PostgreSQL

Software: Jira, BitBucket, Confluence, Bamboo, GitHub, GitLab, ServiceNow, WebSphere, AWS

Work Experience

Nelnet (Remote & Madison, WI)

Aug. 2022 | Present

IT Software Architect - Application Security

I work with approximately 50 IT delivery teams to improve the security posture of their supported systems by leading threat modeling, reviewing code, and assessing the risk of vulnerabilities reported by tools implemented at various SDLC touchpoints. I regularly read and write code in a variety of programming, scripting, and markup languages, including C#, Java, JavaScript, TypeScript, and SQL. I spearhead our successful Security Champions Program that has over 70 members and architect its custom gamification platform. Along with stakeholders from throughout the organization, I design security and compliance training and maintain custom and off-the-shelf DevSecOps solutions. I regularly justify my decisions and risk assessments using the NIST SP 800 series as well as standards from sources such as the NIST SSDF, OWASP ASVS, and the CIS Controls.

Nelnet (Remote & Madison, WI)

Jun. 2021 | Aug. 2022

IT Software Engineer

- As a member of an eight-person Scrum team, I helped maintain >10 software systems while working remotely. Some of the systems were newly-developed during my time, while others were legacy systems. The system technologies varied based on need and lifetime; I gained some experience with AWS.
- I improved our team's efficiency by advocating for and implementing automated code quality enforcement, proactive maintenance techniques, and procedures to streamline production implementations. I also studied the enterprise risk management framework and external resources in order to improve the security engineering stature of the team.
- I was a notable contributor to the Unifi Design System. I engaged in active collaboration with UI/UX designers, accessibility engineers, and stakeholders. I also filled in to provide lead development and support during a staffing change, where I assisted with interviews and sharing knowledge with new hires.
- I regularly attended events regarding company culture, professional development, and innovation. I also acted as a mentor to an intern who spent between 15-20 hours per week on our team during the school year.

UW-Platteville Residence Life (Platteville, WI)

Jan. 2019 | May 2021

Senior Assistant, Resident Assistant

- As a senior assistant I was responsible for coordinating administrative duties, health and safety protocols, and acting as a co-supervisor for seven resident assistants. I was voted by my peers as the *Senior Assistant of the Semester* in the fall of 2020. I received the *Lifetime Residence Life Award* in the spring of 2021.
- As a resident assistant I was responsible for overseeing a community of approximately twenty-five undergraduate students, providing information on university resources, and developing an educational atmosphere. I was voted by my peers as the *Staff Member of the Semester* in the fall of 2019.

Nelnet (Remote & Madison, WI)

Jun. 2020 | Aug. 2020

IT Software Engineering Intern

I learned how to perform duties related to the maintenance and enhancement of business continuity management systems within a ten-person Scrum team while working remotely.

UW-Platteville CSSE Department (Platteville, WI)

Sep. 2018 | May 2020

Lab Assistant, Undergraduate Researcher

- As a lab assistant I provided support to students enrolled in introductory computer science courses, assisting them understand and complete assessments related to core concepts regarding data structures, algorithms, and object-oriented programming.
- As an undergraduate researcher I worked in a team under Dr. Selent to research, design, and develop multiple predictive models in Python used to predict student struggle in CSSE courses; our team won 2nd place in the 2019 WSTS Poster Symposium. I also worked under Dr. Alkhushayni to implement a unique set of chronic disease risk assessments for a personal health application.

Organizations**Association for Computing Machinery (ACM)**

Sep. 2018 | May 2021

Student Member

I was a regular attendee of on-campus meetings and events such as the 2018, 2019, and 2021 International Collegiate Programming Contests.

Westview Elementary 3rd & 4th Grade Coding Club

Sep. 2018 | Jan. 2020

Volunteer Mentor

I mentored 3rd and 4th grade students as part of a coding club at Westview Elementary in Platteville, Wisconsin. We utilized curriculum provided by Code.org and Google's CS First.