

Collin Kersten

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Education

North Carolina State University | Raleigh, NC

May 2022

- Computer Science | Cybersecurity Concentration

Work Experience

Site Reliability Engineer - *Toshiba Global Commerce Solutions*

May 2022 - Present

- Created Ansible framework that automated manual installations of new software
- Created, ran, and managed Kubernetes environments
- Wrote Jenkins pipelines for development tasks, including Ansible and Kubernetes applications
- Developed and integrated Helm chart changes into existing environments

Software Engineer Intern - *Toshiba Global Commerce Solutions*

May 2021 - Dec 2021

- Built a database-agnostic system for various microservices using Java
- Built a test automation framework using Cucumber/Selenium
- Worked on commerce platform for major retail chains

Skills/Relevant Classes

- Programming - Proficient in Java, Python, Groovy, Javascript, Bash
- Frameworks/Technologies - Ansible, Kubernetes, Helm, Azure, Jenkins, Git, Flask, MongoDB, SQL, Vue.js, Docker, Cucumber, Selenium
- Relevant Classes - Data Structures/Algorithms, Operating Systems, Computer Security, Software Engineering, Network Security

Projects

Personal Website + Spotify API Integration

- Fully containerized web app built with Vue.js + Flask + MongoDB + Nginx
- Contains different pages that feature different content pulled from backend APIs
- Contains APIs that integrate with the Spotify API

AI4ai

- Fully containerized web app built with React + Flask + MySQL + Nginx
- Social media platform that allowed for users to create posts, comment, and interact with other users (similar to Reddit)
- Capstone project that was released to non profit for further development