

# Jake Zembrzuski

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## EDUCATION

### The College of Saint Rose, New York

*B.S. Computer Science, Minor in Mathematics*

*Graduated December 2018*

## PROFESSIONAL EXPERIENCE

### Cengage Group

*Software Engineer*

**Remote, NY**

*February 2021- Present*

- Design and develop National Geographic Learning MindTap School platform used in schools throughout the country
- Cross-functionally collaborate with Project Managers, Product Owners, QA, Customers, and Dev-Ops for prioritization, development, and testing
- Mentor junior engineers
- Utilize and research the latest technologies to best meet business requirements

### NYS Education Department

*Information Technology Specialist II (Programming)*

**Albany, NY**

*May 2019 - October 2019*

- Developed and maintained the State Aid Management System working on back-end development and SQL data management to front-end design
- Analyzed, tested, and deployed the application which is responsible for allocating and distributing funds for all public K-12 schools in New York
- Documented systems and procedures for the full-stack application
- Provided input to Java architecture discussions and shared Java knowledge with staff
- Coordinated interactions between the application and other information systems

### NYS Department of Information Technology Services

*Junior Developer/ Student Internship*

**Albany, NY**

*July 2018- December 2018*

- Converted Perl web applications to Java
- Collaborated with various teams on projects to meet deadlines
- Responded to and resolved user reported issues
- Created and presented potential solutions to problems
- Utilized a wide variety of technologies such as Hibernate, Maven, and Git

## SKILLS

- Java 17, OSGI, Spring Boot, NoSQL/Apache Cassandra, SQL, Hibernate, CXF Web Services, ES6/React, Redux, Cloud Foundry, Vault
- Utilization of Agile development practices

## PROJECTS

### Emulated Operating System Using Java

- Created a mock linux shell using machine code along with context switching for CPU scheduling written in Java
- Implemented a graphical user interface showing real-time memory usage

### Developed Volunteer Website

- Worked on front end development used to track and organize events for potential charities
- Utilized Angular and Bootstrap to implement event scheduling/tracking, permissions handling, and easily accessible UI design