

PROFESSIONAL EXPERIENCE

Revature, New York, NY

June 2024 - January 2025

Fullstack Java Developer

- Developed **RESTful API's** using **Spring Boot**, taking advantage of **Spring beans** and **dependency injection** to ensure loosely coupled code. API's managed database interactions in a **CRUDful** and **ACIDic** manner, and used **SQL** to manage **Postgres** database.
- Automated 70% of **integration tests** using **JUnit** and **Postman**, ensuring smooth data exchange across **API's** and **backend services**. Increased **test coverage** of integration tests by a large margin.
- Managed and optimized **Jenkins CI/CD** pipelines to automate deployment processes, reducing build times by 40% and increasing deployment reliability across multiple environments.
- Developed highly scalable and reusable **React** components, reducing code duplication.
- Deployed applications using the **AWS cloud service stack**, deploying separate servers for relational **databases**, **frontend hosting**, and **API connection**.
- Designed and implemented **relational database** diagrams using **ER modeling** to define **entity relationships**, enforce **data integrity**, and support scalable and maintainable database schemas.

EDUCATION

The University at Buffalo, Buffalo, NY

May 2024

Magna Cum Laude | Bachelor of Science in Computer Science | 3.6 GPA

Relevant Coursework: Intro to Machine Learning , Web Development , Search Engine Optimization , Modern Network Concepts

PROJECTS

Portfolio Website (In Development)

March 2025 - Current

Single Page Website

- Developed a personal website using **React**, **Typescript**, and **Vite** to provide more information about me and my projects.
- Utilized the **Sass** preprocessor to create modular, maintainable, and scalable styles for UI components..
- Deployed and maintained a responsive website using **Github** Pages, leveraging version-controlled Github repository integration.

RevStay Technology Project

December 2024 - January 2025

Hotel Booking Engine

- Developed Hotel Booking Engine **API**, creating **CRUDful**, **ACIDic** entry points to the **Postgres** database, which allowed for easy data compilation for Data Visualization.
- Designed **React Components** using **Typescript** to ensure type security and promote code reusability.
- Implemented robust user **authentication** and **authorization** mechanisms using **Spring Security**, including **role-based access control (RBAC)**, **JWT token** handling, and **password encryption** to secure web applications.
- Contributed in a team as **SCRUM** leader, developing with short **Sprints** all managed within a **JIRA** instance,
- Compiled data and ran it through the data visualization library, **Chart.Js**, to visualize hotel booking trends.
- Developed applications on **AWS** using **EC2**, **S3**, and **RDS**, ensuring scalability and high availability.

Rubberduck Inventory Website

December 2024 - January 2025

Web Based Inventory Management System

- Worked with one other person in an **agile** development cycle to develop a multi-role based item finder, limiter. Players are able to search for ducks to increase their account value, while admins were able to place the amount of ducks in the world.
- Developed frontend using **React** and **Typescript** to ensure code reusability and variable type security.
- Managed data through a local **H2 Database**, running prepared **SQL** queries through **Spring Data** in a normalized.
- Implemented user authentication and authorization, using **Bcrypt** library to salt and hash the passwords.
- Developed session **cookies**, to maintain user login information between sessions for easy access.

SKILLS

Languages: Java, Javascript, Typescript, Python , C , C# , SQL , Python, Bash, PHP

Frameworks/Libraries: React , Spring , Numpy, Sass, JUnit, Apache Kafka, Pytorch

Tools: Jira, Figma, Github, Jenkins, Docker, Kubernetes, Postgres, AWS, GCP, Postman

Certifications: Oracle Certified Java SE 8 Developer

