Joe **Muldowney**

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https://csportfoliojm.com/ | https://github.com/JoeMuldowney

Skills

Programming Languages: C++, Python, Java, Go, SQL, PHP, Javascript
Frameworks: Django, Spring Boot, React
Other Technologies: EC2, RDS, Linux, Jenkins, Docker, Git

Work Experience

Senior Connection Center, Inc   *Tampa, FL*
Information Systems Specialist   *Nov 2022 – Present*

- I utilized XAMPP for development of a full-stack application using PHP and MySQL to create the back-end structure and JavaScript, HTML, and CSS for front-end design.
- Integrated secure authentication with password encryption and two-factor authentication using PHP's built-in encryption methods and STMP to email reset pins.
- Enhanced performance by optimizing SQL queries resulting in reduction of load times.

Projects

Property Management   *Java, Spring Boot, Maven, EC2,*
                                                                Postgres, React

- Developed and deployed an application on AWS utilizing a Linux EC2 instance, PostgresSQL RDS, and a load balancer.   *https://csportfoliojm.com/frontend*

- Built a back-end API in Java utilizing the spring-boot framework and structured with the three-tier-architecture to separate the the presentation, application, and data layers.

- Designed the user interface using React and JSX, seamlessly integrating the API endpoints.

Virtual Library   *Python, Go, Django, Postgres,*
                                                                Jenkins, Docker, React

- Built a full featured e-commerce application and deployed it on AWS using a Linux EC2 instance, PostgresSQL RDS, and a load balancer.   *https://csjoeportfolio.com*

- Set up Jenkins, Docker, and Git for a robust CI/CD pipeline. Configured a GitHub webhook to automate deployment upon repository changes.

- Created a microservice architecture in python's Django for built-in authentication and used custom models for account features and custom user profiles.

- Developed CRUD operations using Go's standard library, implemented within a microservice architecture for better scalability and maintenance.

- Designed the user interface using React and JSX, integrating API endpoints effectively to provide dynamic and responsive user experience.

Education

Florida State University   *Panama City, FL*
BS in Computer Science   *June 2022 – Dec 2025*
GPA: 3.5
State College of Florida   *Bradenton, FL*
AA in Information Technology   *June 2016 – Dec 2020*