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
Information Systems Specialist

Tampa, FL
Nov 2022 – Present

- Utilized XAMPP for development of a back-end API in PHP with a MySQL database.
- Developed a dynamic front-end interface with JavaScript, HTML, and CSS.
- Integrated secure authentication using PHP's built-in encryption method.
- Developed password reset functionality with a PIN number sent to email, ensuring two-factor authentication.
- Enhanced performance by optimizing SQL queries resulting in a reduction of load times.

Projects

Property Management

Java, Spring Boot, Maven, EC2, Postgres, React
https://csportfoliojm.com/frontend

- Developed and deployed a full-stack web application on AWS using an EC2 instance with Linux and a PostgreSQL RDS for data management.
- Built a back-end API in Java using the Spring Boot framework, structured in a three-tier architecture to separate the presentation, application, and data layers.
- Designed a responsive user interface with React and JSX, seamlessly integrating API endpoints for dynamic interactions.
- Implemented a CI/CD pipeline with GitHub, Jenkins, and Docker to streamline deployment and updates.
- Configured a custom domain with Route 53 and a load balancer on AWS for HTTPS, ensuring security.

Virtual Library

Python, Go, Django, Postgres, Jenkins, Docker, React
https://csjoeportfolio.com

- Built a full-featured e-commerce application and deployed it on AWS using a Linux EC2 instance, PostgreSQL RDS, and a load balancer
- 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 a dynamic and responsive user experience.

Education

Florida State University
BS in Computer Science GPA:
3.5

Panama City, FL
June 2022 – Dec 2025

State College of Florida
AA in Information Technology

Bradenton, FL
June 2016 – Dec 2020