

Diego Segovia

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Skills

- JavaScript | Python | SQL | HTML | CSS | Node | Express | React | Git | AWS | RESTful APIs | OOP | Bootstrap | Sequelize.js
- Django | OutSystems | Frontend | Backend | Full-Stack | Jira | Confluence | English, Spanish

Experience

Full Stack Developer

MassMutual

Boston, MA

06/2023 - Current

- Worked as part of a development team creating **multiple enterprise-grade web applications** to modernize legacy systems and optimize internal operations, leveraging low-code (**OutSystems**) and traditional development solutions (**JavaScript & SQL**) to streamline business workflows.
- Played a key role in developing a financial reporting application that automates the generation of weekly and monthly annuity reinsurance reports, processing **millions of financial transactions** per month and eliminating **100+ hours of manual labor** weekly.
- **Implemented data integrations with Amazon S3**, enabling seamless financial data retrieval and automated batch job processing to trigger report generation. Reduced report generation time from **5+ hours to 2 hours** through **SQL Server query optimizations**, significantly improving processing efficiency. **Enhanced report export functionality**, reducing retrieval time to **under 30 seconds**, improving accessibility for end users.
- **Contributed to the development of a user access management system**, allowing platform users to manage roles and permissions through a user-friendly interface. **Integrated the ServiceNow REST API** to automate the user onboarding process and **implemented an Amazon IAM audit** feature that removed inactive users after 90 days, reducing licensing costs.
- **Developed reusable UI components** for the internal library, including a **customizable timeline component** for chronological event display and a **rich-text comment component** using TinyMCE, enhancing development efficiency and user experience.

Computer Science Tutor

Eastern Connecticut State University

Windham, CT

09/2022 - 05/2023

- **Tutored students in core computer science concepts**, including **data structures**, **operating systems**, **algorithms**, and programming in **Python**, **Java**, and **JavaScript**, helping them build a strong technical foundation.
- Provided detailed feedback on assignments, projects, and exams, guiding students in improving their **problem-solving skills** and **critical thinking abilities**.
- **Regularly communicated with students** to assess progress, clarify concepts, and adapt teaching strategies to meet individual learning needs.

Full Stack Developer Intern

MassMutual

Boston, MA

05/2022 - 08/2022

- **Developed an internal web-based content management tool** using the PERN stack (**PostgreSQL**, **Express**, **React**, **Node.js**), allowing users to create and edit surveys by providing JSON data, eliminating the need for Microsoft Forms.
- **Built and refined front-end interfaces** with **React** and **Bootstrap**, improving user experience and accessibility.
- **Collaborated in an Agile development team**, utilizing Git and GitHub for version control and contributing to iterative feature development.

Education

Bachelor of Science

Eastern Connecticut State University

Windham, CT

08/2019 - 05/2023

- Major in Computer Science with Math minor, 3.9 GPA

Projects

- **Senior Research Project:** Conducted research on the performance of CoAP and MQTT protocols for IoT devices by developing Node.js servers to transmit payloads of varying sizes, measuring network metrics such as packets per second and analyzing efficiency trade-offs. [Research](#) was accepted for presentation at CCSNE. **(12/2022)**
- **LUMAND:** Developed a **Python application** enabling hands-free control of LIFX smart lights using **Google MediaPipe** for hand tracking and the **LIFX REST API** for real-time state changes. Implemented intuitive gesture-based controls, allowing users to turn lights on/off and adjust brightness with designated hand movements, enhancing accessibility and user experience. [Demo](#) **(01/2022)**

Certifications

- AWS Cloud Practitioner (In Progress)
- Security Journey Green Belt Certifications: JavaScript/Node.js, Advanced AWS (07/2024)