

Jose Luis Cruz, Jr.

Back-end Software Developer | DevOps Engineer



Technical Expertise

Software Development



- APIs and automation jobs with JS and Python
- CLI scripts for UIs and CI/CD processes
- Integrating 3rd party data sources (i.e., API, web scraping, SFTP) into business workflows

Analytics & DB Management



- Database design and role-based access control best practices
- Interfacing with data sources using desktop clients and scripts

Cloud Services & DevOps



- Implementing schedule- and event-based procedures on Windows and Linux environments
- Establishing CI/CD pipelines for deploying containers and code on server-managed and server-less platforms

Relevant Work Experience

Junior Software Developer

Approved Energy

Duration: Nov. 2022 - Present

Responsibilities:

- Integrated new AWS features into company infrastructure to improve performance and scalability
- Deployed an internal UI that allows employees to view data and interact with workflows
- Efforts contributed to highest PNL in company history (2024)

Ph.D. Research Student

Albany Medical College

Duration: Aug. 2018 - May 2021

Responsibilities:

- Examined the underlying immunological mechanisms of tick-borne diseases
- Performed statistical analysis and visualization on curated data
- Documented and refined protocols used in publications
- Collaborated with labs to explore novel methods of disease transmission and their impacts on infection

Academic Background

PhD in Immunology & Microbial Diseases

Albany Medical College

Duration: Aug. 2018 - May 2021 (**Incomplete**)

GPA: 3.35

Bachelor of Science

College of Saint Rose

Duration: Aug. 2014 - May 2018

GPA: 3.71

Minor: Chemistry

Skills

Languages & Frameworks

JavaScript, TypeScript, Python, ReactJS, NextJS, ExpressJS, Flask, Django

DevOps Tools

Docker, AWS CodeBuild & CodePipeline, GitHub Actions

Databases & Warehouses

AWS RDS, PostGreSQL, MySQL, Snowflake, MongoDB

Cloud & App Security

VPC, IAM & Security Group management, User Auth via JWT (Auth0, Clerk)