Jose Sanchez

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EDUCATION

University of Maryland: College Park — Sept 2020 - Aug 2023

Bachelor's Degree in Computer Science

SKILLS

- Languages: Javascript - Python - Java - C - Racket - Swift - HTML - CSS.
- Frameworks: Bolt, Boto3, Express, Node JS, React, Amazon AWS, MongoDB, Django, SwiftUI
- Tools: AWS, Docker, Git, Slack, Jira, Jenkins, Google Cloud Platform, VS Code.

RELEVANT EXPERIENCE

Golden Hippo — June 2023 - Aug 2023

Software Developer Intern - Remote

- Optimized documentation migration efficiency by 99% through the creation of a Python script automating JSON file creation.
- Deployed Slack Bot to AWS Lambda, establishing the request URL for Slack events via API Gateway's HTTP endpoint.
- Built a Slack Bot utilizing the Bolt framework for Python; stored Slack data in Amazon DynamoDB using Boto3.
- Secured access to the Slack Bot via AWS Secrets Manager and monitored metric data in Amazon CloudWatch.
- Streamlined software development and CI/CD with Git, Bitbucket, Jenkins, Jira, and Agile/Scrum methodologies.

PROJECTS | View All

Manga Website | React, NodeJS, Express, MongoDB, AWS(S3 - CF), Google GCP — Github

- Developed a full stack web application allowing users to read manga from my own manga collection using React for the frontend, NodeJS and Express for the backend, and MongoDB and AWS S3 for quick and efficient data storage.
- Database organization is managed with a custom Python shell scripting solution that systematically organizes and uploads thousands of manga pages to an S3 bucket, concurrently updating the MongoDB database with the S3 Cloudfront links.

Movie Recommendations | Python, NodeJS, Express, MongoDB Atlas, AWS(EC2 - S3 - CF) — Github

- Developed a MovieRecommendations website, creating and implementing a backend infrastructure using Node.js and Express API, hosted on a Google Cloud Platform.

Custom Compiler | Racket, C — Github

- Developed a simple compiler and for a custom programming language implemented in Racket for the semester project of my design and implementation of Programming Languages course CMSC430..
- Created the abstract syntax tree for my custom language and Implemented a compiler by translating my custom AST into x86 assembly code.