

JOSEPH M. DOMINGUEZ-VIRLA

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EDUCATION

Software Engineering, B.S.
Graduated August 2022

Utah Valley University
Orem, UT

LANGUAGES/SKILLS

Python, JavaScript, HTML, CSS, C++, C#, Java, React, Vue.js, Angular, Node.js, Express, PostgreSQL, C, Bash, MongoDB, AWS, Git, LaTeX

RELEVANT COURSEWORK

Data Structures and Algorithms, Object-Oriented Programming, Database Theory, Computer Networks, Numerical Analysis, Computational Theory, Software Testing and Quality Engineering

WORK/RELATED EXPERIENCE

Software Engineering Consultant

December 2023 - Current

DataAnnotation
Remote

- Conducted detailed audits of AI model responses to ensure accuracy and code quality.
- Developed ideal code solutions and responses for various problems in multiple programming languages.

Junior Full Stack Developer

September 2018 - May 2019

FourSteps
Salt Lake City, UT

- Created responsive and dynamic web pages within a Python Flask framework for a startup specializing in financial planning software.
- Reworked the company's Firebase DB to support a budgeting system integrated with MX's banking API.
- Engaged in daily standup meetings and sprint planning.

PROJECTS

Weatherman

[\[GitHub\]](#) [\[Live Site\]](#)

- Created a modern full-stack web application for real-time weather information, emulating the WeatherStar4000, with a React front-end seamlessly rendering data from the back-end.
- Developed a RESTful API using Node.js and Express, encompassing Auth0 user authentication, MongoDB data storage, and information retrieval from existing Weather APIs.
- Ensured extensive automated test coverage of the backend using the Mocha and Chai libraries.
- Deployed the project on a cloud computer with a focus on modern DevOps practices, leveraging Docker, Nginx, and Jenkins for optimal efficiency and scalability.
- Collaborated closely with one team member to plan, develop, and deploy the project.

StrawberryLinks

[\[GitHub\]](#) [\[Live Site\]](#)

- Built a URL shortening service using Vue.js and TypeScript.
- Implemented a RESTful API for efficient data storage and retrieval from PostgreSQL database deployed on Amazon Web Services (AWS), incorporating features like link expiration and analytics.

Discord Bot

[\[GitHub\]](#)

- Used Python and discord.py library to develop a Discord bot connected to over 60,000 users.
- Integrated existing APIs and web scraping to provide a variety of commands that present retrieved data in a user-friendly format.