

JOSEPH M. DOMINGUEZ-VIRLA

Email: joseph.dominguez.virla@gmail.com
Phone: 801-787-3304

Portfolio: <https://josephdominguezvirla.com>
Github: <https://github.com/josephdominguez>

EDUCATION

Software Engineering, B.S.
Graduated August 2022

Utah Valley University
Orem, UT

LANGUAGES/SKILLS

Python, C#, C++, Java, SQL, HTML/CSS, JavaScript, React, Vue.js, C, SML, Bash, LaTeX, and Unity.

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

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.
- Extensively reworked the company's Firebase DB to provide the necessary infrastructure for a fully-fledged budgeting system that could be populated with user data from MX's banking API.
- Participated in a small development team, actively engaging in daily standup meetings and sprint planning to contribute to the project's success.

Grader

January 2017 - May 2020

Professor Brian Durney
Utah Valley University, Orem, UT

- Graded student assignments and provided detailed feedback for a web programming course (CS2550) at Utah Valley University.

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 backend using the Mocha and Chai libraries.
- Deployed the project on 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

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

- Utilized Vue.js and TypeScript to build a URL shortening service, offering a web application for managing and sharing long URLs efficiently.
- Implemented RESTful API for efficient data storage and retrieval from PostgreSQL database deployed on Amazon Web Services (AWS), incorporating features such as link expiration and analytics.

Discord Bot

[\[GitHub\]](#)

- Used Python and discord.py library to develop a Discord bot that is 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.