

EDUCATION

University of Texas at Arlington
Bachelor of Science, Civil Engineering

SKILLS

Programming language: Python, JavaScript, HTML/CSS, C++

Database: MySQL, PostgreSQL

Framework: Flask, Django, Bootstrap

Tools: Backend, Full-stack, Large scale systems, Git, GitHub, Beautiful Soup, Selenium, Pandas, Data Science, Spark, Data Analytics, Agile Methodologies, Scrum Methodologies, Data Structures, Algorithms, Debugging, System Design, GCP

Microsoft Office Suite: Word, Excel, Outlook, PowerPoint

Other Skills: Technical Problem-Solving, Analytics, Analytical Skills, Collaboration, Communication, Creativity, Teamwork, Adaptability, Attention to Detail, Continuous Learning, Leadership, Time Management

EXPERIENCE

Software Engineer, Bridgefarmer and Associates, Inc 09/2023-Present

- Developed custom software solutions for civil engineering projects, streamlining design processes and reducing project timelines by 20%
- Collaborated with the civil engineering team to integrate GIS data into design software, enhancing project accuracy and reducing errors by 15%.
- Implemented automated reporting tools, resulting in a 30% increase in productivity for generating project documentation.

Software Engineer, AR Source 02/2021 – 05/2023

- Led the development of a large-scale software system, ensuring compliance with regulatory standards, resulting in a 25% improvement in customer satisfaction.
- Created automated unit tests and integration tests, enhancing software quality, and increasing team productivity by 30%.

SOFTWARE PROJECTS

CafeHub Web Application

- Developed a dynamic website using Flask and Bootstrap, empowering users to contribute and explore a comprehensive directory of cafes.
- Implemented an intuitive interface for users to seamlessly add cafe details, including name, location, operating hours, coffee quality, and amenities such as WIFI and power cable availability.
- Implemented a robust SQLite database backend to efficiently manage and store cafe details entered by users on the website.

Flight Search

- Engineered a program utilizing Tequila API, Sheety API, smtplib, requests, and datetime module to send personalized flight deal emails to users who sign up, resulting in increased user engagement.
- Leveraged Tequila API to retrieve IATA codes for 10 popular cities and populated spreadsheets via Sheety API. Conducted flight searches using Tequila, sending users flight information, and booking links for cost-effective travel.

CERTIFICATIONS

- Google Project Management: Professional Certificate - Coursera
- Date of Certification: October 2023