Felix Fernandez

Personal Info

203-691-0817
Hamden CT 06514
fj99.fernandez@gmail.com
LinkedIn
GitHub
My-Website

Innovative, deadline-driven Full Stack Developer with 5+ years of experience with a passion for technology and problem solving. A creative and organized coder, simplifying processes to make them more efficient for the client. A motivated self-learner, staying current in the relevant skills of today with the aptitude and interest to learn older languages when needed to maintain or update current systems.

Education

MIT:
- Certificate in Data Science Machine Learning
- Top 10

Southern Connecticut State University:
- Bachelor of Science in Computer Science
- Math minor

UCONN:
- Associate of Engineering in Mechanical Engineering

Frameworks

- .NET Core
- .NET Framework
- Angular
- React
- CodeIgniter
- Python Flask
- AWS
- Drupal
- Bootstrap

Languages

- HTML
- CSS
- XTML
- PHP
- JavaScript
- Python
- C#
- Java
- SQL
- SQL Alchemy
- MySQL
- MSSQL
- R
- MATLAB

Work Experience

Full Stack Developer   **Augt.2023 — Present**

PetVet Care Centers | 1 Gorham Island Rd, Westport, CT 06880

- Specialized in architecting and implementing Extract, Transform, Load (ETL) processes.
- Spearheaded the development of a sophisticated system automating critical End-of-Month financial procedures.
- Utilized Angular for front-end development, C#.NET Core API for robust back-end architecture, and MS SQL for efficient database management.
- Played a pivotal role in the AI team, contributing to advanced predictive analytics for revenue and financial metrics.
- Extended contributions to address diverse financial requirements and report generation.

Full Stack Developer (Computer Programmer)   **Sept.2019 — 2023**

Southern Connecticut State University | 501 Crescent St, New Haven, CT 06515

- Programmed and updated web apps, department websites, applications, and databases.
- Restructured and redesigned web apps for improved integration with databases.
- Created and edited forms for upload on multiple servers and websites.
- Consolidated 12 databases into a single comprehensive database, enhancing workflow and maintenance.
- Managed the Guest Sign-in System and Student Staff Portal using PHP, MySQL, and JavaScript.
- Updated the Student Sign-in System, incorporating APIs and Cron-Jobs for data retrieval and automation.
- Modified and maintained the Staff Admin Portal, debugging and improving schema.
- Successfully upgraded the entire system to a new server.
- Developed and updated websites, both front and back end.
- Implemented Cron Jobs on Linux for notification actions.
- Created a functional developer instance for testing, ensuring separation from live sites.
- Implemented Git for system backups and documented processes using Confluence.
- Currently leading a team of developers and providing training to new student programmers.

Felix Fernandez

(203) 691-0817 | fj99.fernandez@gmail.com | https://fj99.github.io/My-Projects/

Projects:

Extract Master

- Developed using Angular for the front-end and C# .NET Core for the back-end, this application is not compatible with GitHub Pages for deployment.
- Engineered a centralized ETL (Extract, Transform, Load) system that accommodates all extraction types and enables data transformation into any format for seamless integration with any database. This system includes a data scoring feature, allowing users to review extraction processes and modify configurations as needed. Additionally, it empowers users to create new ETL processes by simply completing the required parameters.
- Showcased on GitHub — https://fj99.github.io/My-Projects/ExtractMaster/

DataFarm

- Utilized Angular for the front-end development and C# ASP.NET Core for the back-end architecture.
- Implemented a comprehensive system that fully automates the End of Month (EOM) financial process, ensuring seamless integration and real-time data availability for enhanced accuracy and efficiency in financial reporting.
- Showcased on GitHub — https://fj99.github.io/My-Projects/DataFarm/

Staff Admin Portal (SAP)

- Crafted with CodeIgniter 4, a PHP framework
The Staff Administration Portal is a web application streamlining employee permission management within the Residence Life system.
- Showcased on GitHub — https://fj99.github.io/My-Projects/SAP/

Air Message

- Instant messaging web application
Developed an encrypted end-to-end instant messaging web application using Flask and Socket.io for real-time communication. Users create a username and join chat rooms using a room number, preventing packet capture software like Wireshark from intercepting network packets.
- Built using python HTML,CSS, JavaScript, Flask and Socket IO
- Showcased on GitHub — https://fj99.github.io/My-Projects/Python_Chat/

Daycare System

- Daycare web application
Developed a website for parents to register, sign in, provide contact details, and enroll their children in daycare while facilitating communication with assigned caretakers. Employees can also register, sign in, and view their work schedules and assigned children's information.
Built using HTML, CSS, PHP, JavaScript
- Showcased on GitHub — https://fj99.github.io/My-Projects/Daycare_System/

360-Tour

- A Virtual tour of the university
Developed a virtual university tour enabling users to explore the campus and building interiors virtually.
Made with HTML, CSS, JavaScript, Google API
- Website — https://inside.southernct.edu/virtual-tour

To explore additional projects, please visit my portfolio at https://fj99.github.io/My-Projects/