

FELIX FERNANDEZ

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PROFESSIONAL SUMMARY

Skilled Full Stack Developer with 6+ years of experience designing, architecting, and deploying enterprise-grade applications. Proficient in developing financial and ETL solutions, leading AI initiatives, and managing SQL databases and cloud infrastructure. Demonstrated leadership as a Lead Developer and AI Team Lead, collaborating with C-level executives to deliver mission-critical systems under tight deadlines.

TECHNICAL SKILLS

- **Frameworks:** .NET Core, ASP.NET, Angular, React, CodeIgniter, Flask, Drupal
- **Databases:** SQL Alchemy, MySQL, MSSQL, PostgreSQL
- **Infrastructure:** Azure, AWS, Linux, Git
- **Languages:** Python, C#, PHP, JavaScript, SQL, Java, HTML, CSS, R, MATLAB

WORK EXPERIENCE

Full Stack Developer | PetVet Care Centers | Westport, CT

August 2023 – Present

- Responsible for building and maintaining ETL processes and financial automation systems to support critical operational functions.
- Developed and maintained Data Farm, an automated financial application accelerating the end-of-month process and integrating diverse finance tools.
- Architected and implemented Watchdog, a dynamic ETL platform processing hundreds of terabytes daily across 700 clinics/hospitals, supporting OAuth, SFTP, Basic, AWS, and Azure authentication.
- Designed user interfaces for scheduling data extracts and loads, customizing column selection and renaming, executing pre- and post-load stored procedures, and managing data pipelines.
- Led AI development and built all AI systems, managed the AI team, and served as interim Lead Developer overseeing four developers.
- Architected software and database designs, collaborated daily with the VP of IT and conducted weekly meetings with the C-suite to align solutions with business objectives.
- Upgraded SQL Server software from 2013 to 2024, coordinating downtime, migrating enterprise applications, jobs, and queries, and executing a seamless upgrade within one day.

Lead Full Stack Developer | Southern Connecticut State University | September 2019 – August 2023

- Utilized Drupal to build and maintain the university's main public website and multiple subsidiary sites, applying theme/content updates per requests.
- Supervised multiple web and software projects to support university operations, focusing on database integration, security, and improved user experience.
- Consolidated and integrated 12 web application databases into a single comprehensive database, streamlining maintenance and reducing redundancy.
- Managed Student Staff Portal and Guest Sign-In systems, enhancing functionality through API integrations, cron jobs, and automated data retrieval.
- Led IT infrastructure modernization: migrated servers, automated workflows, and improved system reliability.
- Developed and maintained web applications using PHP, MySQL, and JavaScript; implemented daily Linux cron jobs to automate notifications and data processes.
- Established Git version control and testing environments, ensuring safe deployments and code integrity.
- Documented system processes and workflows in Confluence; trained and onboarded a team of four developers, reducing ramp-up time and fostering collaboration.

EDUCATION

Massachusetts Institute of Technology | Boston, MA

Certificate in Data Science and Machine Learning | Top 10

Southern Connecticut State University | New Haven, CT

Bachelor of Science, Computer Science | Minor in Mathematics

University of Connecticut | Stamford, CT

Associate of Engineering, Mechanical Engineering