FELIX FERNANDEZ

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[Portfolio](https://fj99.github.io/My-Projects/) | [fj99.fernandez@gmail.com](mailto:fj99.fernandez@gmail.com) | [LinkedIn](https://www.linkedin.com/in/felix-fernandez-92a0021b5) | [GitHub](https://github.com/fj99)

PROFESSIONAL SUMMARY

Skilled Full Stack Developer with 5+ 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, Angular, React, CodeIgniter, Flask, Drupal

**Databases**: SQLAlchemy, MySQL, MSSQL, PostgreSQL

**Languages**: Python, C#, PHP, JavaScript, SQL, Java, HTML, CSS, R, MATLAB

**Infrastructure**: Azure, AWS, Linux, Git

WORK EXPERIENCE

**Full Stack Developer** **August 2023 – Present**

**PetVet Care Centers** |Westport, CT

* Responsible for building and maintaining ETL processes and financial automation systems to support critical operational functions.
* Collaborated daily with the VP of IT and conducted weekly meetings with the C-suite to align solutions with business objectives.
* Led AI development and built all AI systems, managed the AI team, and served as interim Lead Developer overseeing four developers.
* 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.
* Developed and maintained Data Farm, an automated financial application accelerating the end-of-month process and integrating diverse finance tools.
* 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.
* 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**  **September 2019 – August 2023**

**Southern Connecticut State University** | New Haven, CT

* 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 by migrating servers, resulting in and improved system reliability.
* Utilized Drupal to build and maintain the university’s main public website and multiple subsidiary sites, applying theme/content updates per requests.
* Developed and maintained web applications using PHP, MySQL, and JavaScript; implemented daily Linux cron jobs to automated workflows 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