Louis Lizzadro

Software Developer

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SUMMARY

Software developer with three years of professional C#/.NET experience building and maintaining applications that process and transmit healthcare data at scale. Promoted twice for ownership and reliability. Comfortable across the stack—relational databases, web services, CI/CD pipelines, and containerized deployment—and continually expanding into security and modern infrastructure through graduate study and hands-on projects.

EXPERIENCE

Software Developer II | CGS Administrators *2023 – Present*

Promoted twice since joining in 2023.

- Owner of the Electronic Submission of Medical Documentation (esMD) software, responsible for the secure processing and transmission of healthcare data between providers and CMS.
- Build and maintain a range of C#/.NET applications, services, and internal utilities, including web applications and Hyland OnBase solutions.
- Design and manage relational data models, mapping business processes to MSSQL and MySQL/MariaDB databases.
- Contribute to a team exploring AI and chatbot integration into the internal company environment.

Volunteer Associate | Bonaparte's Retreat Animal Rescue *2020 – Present*

- Care for rescue dogs and facility operations; assist with administrative tasks as needed.

PROJECTS

Personal Website & Deployment Pipeline | lllizzadro.fly.dev *2026*

- Designed and built a personal website in **Python** using the **Flask** framework, deployed on Fly.io.
- Configured a full **CI/CD pipeline** using GitHub Actions and a Docker container on an Ubuntu host that automatically builds and deploys on merge.

Music-Generating Neural Networks | Middle Tennessee State University *2022*

- Built a Generative Adversarial Network (GAN) and a Recurrent Neural Network (RNN) that each composed original music after training on MIDI data converted into numerical and image representations.

Graduate TA Schedule Optimizer | Middle Tennessee State University *2021*

- Developed a web application prototype using heuristics to generate and manage optimal teaching-assistant lab schedules; Python back end connected to a MariaDB/MySQL database.

EDUCATION

M.S., Computer Science | University of Tennessee *In Progress*

Concentration in Cybersecurity. Enrolled part-time.

B.S., Computer Science | Middle Tennessee State University *2022*

Minor in Mathematics • GPA 4.0

SKILLS

Languages & Frameworks: C#, .NET, Python, Flask, SQL

Databases: MSSQL, MySQL / MariaDB; relational data modeling

DevOps & Tools: Git & GitHub, GitHub Actions (CI/CD), Docker, Linux (Ubuntu / Debian), Hyland OnBase

Domains: Healthcare data exchange (esMD), web application development