

LUBERN FIGARO

(617) 415-3290 | Lubernfigaro5@gmail.com

Github: <https://github.com/Lubern5> | Portfolio: <https://figarodesigns.com/>

EDUCATION

University of Wisconsin – Madison, *B.S. in Human Development & Family Studies*

May 2018

- **Leadership:** Varsity Football Team (2014-2017), Varsity Football MVP (2017)

EXPERIENCE

Malden Catholic High School, *Engineering & Computer Science Educator*

Oct 2024 - Present

- Taught three 9th and 10th grade engineering and computer science classes, including core programming languages (Python, Java, and HTML/CSS), fostering strong foundations in software development and computational thinking.
- Integrated Autodesk Inventor for 3D modeling and digital prototyping, enhancing technical and design competency.
- Automated assessment workflows using Python scripts, improving instructional efficiency and feedback turnaround.
- Deployed and managed cloud-based virtual lab environments to support hybrid and remote learning models.

Moss Consulting, Inc., *DevOps Engineer*

May 2024 - Oct 2024

- Built and deployed scalable AWS/Kubernetes infrastructure, reducing cloud costs by 25%.
- Automated infrastructure using Terraform and CloudFormation to streamline environment setup.
- Built DataOps workflows with orchestration tools and custom scripting to improve data consistency and operational visibility.
- Enhanced CI/CD pipelines with Jenkins and GitHub Actions, improving deployment speed and developer productivity.

JJ Tech, *Cloud Engineer*

Jan 2023 - May 2024

- Engineered AWS-based solutions that optimized cloud resources, boosting operational efficiency by 30% and improving resource management.
- Automated routine tasks using Python scripts, eliminating bottlenecks in workflows, and reducing manual effort by 40%, significantly enhancing overall productivity.
- Designed and maintained a high-availability data processing system on AWS, achieving a 99.8% uptime rate, ensuring seamless operations, and minimizing downtime.
- Implemented comprehensive disaster recovery plans, ensuring robust data security and continuous availability of critical business data.

CERTIFICATIONS

- *AWS Certified Cloud Practitioner*
- *Introduction to Engineering Design*

Feb 2024

Mar 2025

SKILLS

- **Cloud Platforms:** AWS, EC2, S3, RDS, Lambda | **Infrastructure as Code:** Terraform, CloudFormation, Ansible
- **Automation & Scripting:** Bash, Python, Java | **Monitoring:** Prometheus, Grafana, ELK Stack
- **CI/CD & Tools:** Docker, Kubernetes, Jenkins | **Other:** Microservices, REST APIs, Agile Collaboration

TECHNICAL PROJECTS

Cloud Automation & Infrastructure

- *Cloud Infrastructure Automation:* Built a scalable AWS platform with Terraform and CI/CD via Jenkins. Monitored using Prometheus and Grafana.

Serverless Applications

- *AWS Text-to-Speech Converter:* Created serverless app using Lambda and Polly for efficient text-to-audio conversion.
- *Event Announcement System Website:* Constructed serverless notification platform using AWS Lambda, SNS, API Gateway, and S3 to manage email subscriptions and send automated event alerts via a static web interface.

Media Services

- *Video-to-Audio Microservices App:* Deployed containerized services on Kubernetes with Helm; architected scalable modules for user auth, media conversion, and notifications.