**Recruiter-Optimized Summary for Oxford Global Resources**

**Application Specialist / Software Architect (Contract)**

Marquette University School of Dentistry (MUSoD)

During my contract engagement at MUSoD, I supported and improved several mission-critical academic and clinical systems. My contributions expanded from application support into strategic modernization and architectural stabilization, significantly improving reliability, maintainability, and long-term sustainability of core systems.

**Key Accomplishments**

1. **Modernized and stabilized MUSoDDjango**

- Reorganized and clarified legacy Django codebases.

- Delivered new modules (Absence Requests, External Rotations).

- Improved configuration consistency between environments.

- Reduced regression risk through targeted micro-refactors.

2. **Created a long-term modernization plan for a fragile 5-hour nightly ETL pipeline**

- Analyzed multi-stage ETL structure and bottlenecks.

- Designed shadow pipeline modernization strategy.

- Outlined roadmap for restructuring and performance improvements.

3. **Improved cross-team alignment and requirements clarity**

- Collaborated with faculty and clinic leadership.

- Translated requirements into reliable technical solutions.

- Provided architectural clarity and direction.

4. **Introduced documentation and continuity practices**

- Authored module and process documentation.

- Developed onboarding and modernization reference materials.

- Reduced institutional dependency on individual contributors.

**Technologies**

Django, Python, MSSQL, REST APIs, ETL scripting, NGINX/Gunicorn, data processing pipelines