DANIEL MURACH

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Highlights

o Creative problem-solver with over twenty years professional experience in information technology.
o Understanding of the UW environment including its requirements and IT processes.
o Experience working in multi-centered studies and clinical trials in a regulatory environment.
o Familiarity with digital imaging and OCT systems, including software from Nikon, Topcon, Digital Healthcare, EyeKor, DICOM standards, and various custom-built in-house applications.
o Strong organizational and process improvement skills.

Database and Software Development

o Well experienced in the software development lifecycle: Worked closely with researchers to understand their needs and requirements, created software specifications, performed third-party software investigations and vendor evaluations, designed and implemented in-house software applications, authored design documentation and training materials, led user testing/acceptance, and assisted validation design and testing.
o Worked with researchers and statisticians to provide them with database schemas to efficiently store and quickly access complex data from multiple sources.
o Developed software including retinal grading data entry systems, detailed reports, document management tools, patient tracking/scheduling systems, and freezer specimen storage solutions.
o Defined database security groups, managed permissions, and implemented audit trail system.
o Migrated and integrated in-house legacy systems to new computing environments.

Quality Control

o Led workgroups in process improvement and compliance with GxP and 21CFR11 requirements.
o Participated in the development, implementation, and review of SOPs, including annual reviews.
o Participated in internal and sponsor audits.
o Evaluated and responded to audit reports including corrective and preventative action plans.
o Organized quality control systems and checks to ensure consistent and reliable data reproducibility.

Organization & Process Improvement

o Worked with the the UW Office of Quality Improvement in an enterprise-wide process development project.
o Headed the re-organization of legacy network to standardize storage and access of study materials.
o Documented systems, technical processes, standard operating procedures and authored user guides.
o Participated in the development of long-term IT strategic plans.

Professional History

o **Software Engineer/Developer III** – SSEC - *UW Madison*	Jul 2021 – *Present*
o **Programmer/Analyst** – Ocular Epidemiology, *UW Madison*	Jun 2006 – Jun2020
o **Systems Programmer, Acting IT Director** – *FPRC, UW Madison*	Jan 2000 – Jun 2006
o **Lead Programmer/DBA/Webmaster** – *ABS Global - Deforest, WI*	Feb 1997 – Jan 2000
o DEGREE: **Bachelors of Science, Computer Science** – *UW Oshkosh*	1997