Nemanja Tomić

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PROFESSIONAL SUMMARY

Database Administrator with 7+ years of institutional experience managing research and clinical database environments at the University of Pittsburgh. Deep familiarity with Pitt's infrastructure, health sciences IT systems, and cross-departmental stakeholder needs. Expertise spans cloud migration planning (Azure ADF/SSIS), Python/PowerShell automation, enterprise database inventory, FERPA-compliant data governance, and large-scale data integration.

CAREER EXPERIENCE

Database Administrator

School of Medicine at the University of Pittsburgh (Health Sciences IT) November 2022 – Present Pittsburgh, PA

- Administer a mixed-platform enterprise environment spanning 76+ SQL Server, Oracle, and MySQL servers across the Pitt health sciences ecosystem
- Architected cloud migration strategy for on-premises SSIS workloads to Azure Data Factory (ADF) using Azure-SSIS Integration Runtime, enabling lift-and-shift with full package compatibility
- Executed large-scale data import operations managing 3M+ dental imaging log records and 6.5M+ record datasets, implementing duplicate prevention logic and complex data type conversions
- Conducted enterprise-wide database inventory audit cross-referencing Nmap scan results against existing documentation to identify and classify 40+ undocumented servers

Database Developer

Department of Medicine at the University of Pittsburgh March 2018 – October 2022 Pittsburgh, PA

- E-R diagram design, planning, and implementation of database systems for departmental customers
- Administer Microsoft SQL Server including database updates, maintenance and web application
- Work with customers to create streamlined systems for data entry, manipulation, and reporting.

Database Analyst (Part-time) March 2017 – February 2018 Pittsburgh, PA

- Installation, configuration, administration of Microsoft SQL Server
- Restructure raw data for complete and accurate report building
- Work on a team defining new data needs for the Department Manager financial system and implementing a new database system around said needs

PROFESSIONAL PROJECT

Rapid Entry Data Zero | New Hire Automation Python Development | pyinstaller

Built a standalone desktop application that replaces a manual workflow by automatically extracting data from new hire PDFs and generating form-accurate documents for faculty onboarding. The tool is packaged as a single-click Windows executable requiring no technical setup for end users.

LEADERSHIP & MANAGEMENT

School of Computing and Information Graduate Student Organization

President July 2025 – June 2026

- Serve as the primary representative for SCI graduate students to the Dean's office, faculty governance, university administration, and Graduate Student Assembly Board
- Lead the executive board in setting organizational policy, managing programming, and coordinating institutional advocacy for 400+ graduate students across SCI programs
- Facilitate dialogue between graduate student body and SCI leadership on curriculum, research resources, and student welfare matters

Business Manager July 2024 – June 2025

- Managed all organizational finances including budgeting, reimbursements, procurement, and financial reporting in compliance with University of Pittsburgh fiscal policies
- Coordinated with SCI Dean's office on funding allocations and ensured timely, accurate financial documentation throughout the fiscal year

Medicine Technology Services Student Workers June 2021 – October 2026

- Requisitioned, interviewed, and onboarded students from the university using CFO Talent Center
- Developed weekly and monthly milestones for student workers that satisfied stakeholders while maintaining consideration to student worker's shifting academic schedules
- Systematized onboarding and termination processes for student workers

EDUCATION

School of Computing and Information University of Pittsburgh

M.S. Information Science - concentration in Big Data Science - (in progress graduate Spring 2028)

B.S. Information Science - concentration in Networks and Security - December 2017

SKILLS

Azure / SQL Server / SSMS	**Oracle / Oracle SQL Developer**	**MySQL / MySQL Workbench**
Visual Studio Code	**Draw.io**	**Power BI**
Python	**R**	**PowerShell**
Jupyter Notebook	**Nmap**	**Tableau Desktop**

Languages | English | Serbian