

THOMAS POPESCU

Software Developer & Systems Analyst · C# / .NET · SQL Server · T-SQL · Microsoft 365
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SUMMARY

Sole owner of software, data, and IT systems at a precision analytical testing laboratory. I gather requirements from non-technical staff, design the data model, build the application, deploy it to production, and support it afterward. Two years shipping and maintaining production software in a regulated environment, on top of three years in technical operations roles at Intel and TikTok.

TECHNICAL SKILLS

Languages & Frameworks C#, T-SQL, ASP.NET / ASP.NET Core, Blazor Server, JavaScript / jQuery, Python, HTML / CSS

Data SQL Server, stored procedures, triggers, views, relational data modeling, XML/XSL ETL pipelines, Crystal Reports, Power BI, Excel

Systems & Platforms Windows Server, IIS, Microsoft 365, Active Directory / Entra ID, Hyper-V, SAP Business One, LIMS platforms (WinLIMS, LabWorks)

Tools Visual Studio, SQL Server Management Studio, Git, Notion, JIRA, Visio

Practice Requirements gathering, end-to-end SDLC ownership, AI-assisted development, technical documentation, end-user training, vendor management

PROFESSIONAL EXPERIENCE

IT Specialist & Software Developer

OMIC USA Inc., Portland, OR | January 2025 to Present

Sole owner of all software, data, and IT systems at a precision analytical testing laboratory. Reports directly to the company president.

- Designed, built, and deployed QUOLims, a Blazor Server quotation and pricing application on SQL Server, replacing a manual quoting process. Owned it from the first stakeholder conversation through go-live and ongoing production support.
- Built Lab Support, an internal SLA ticketing platform that gave management its first visibility into request volume, response times, and recurring failure points.
- Write T-SQL stored procedures, triggers, and views against production databases supporting purchasing approvals, sample management, and data workflows across multiple LIMS platforms.
- Built automated XML/XSL ETL pipelines running as Windows services, eliminating manual data entry and removing a recurring source of data-quality errors.
- Gather requirements from chemists, lab managers, finance staff, and executives, then translate them into data models, applications, and reporting.
- Built and maintain the company IT and Facility knowledge base in Notion: 60+ documented processes, SOPs, and runbooks.
- Supported SAP Business One implementation (Vision33): blueprinting, SMTP configuration, legacy data migration, and data-mapping validation.
- Onsite owner for the Hyper-V, Active Directory / Entra ID, Microsoft 365, and network environment: scope work, coordinate implementation, and manage escalation with our managed service provider. Evaluated a competing Microsoft partner on SLA, licensing, and pricing.

Data Center Technician

TikTok / Apex Systems, Hillsboro, OR | March 2024 to January 2025

- Audited rack and server installations against data center standards; energized rack PDUs and verified power distribution for reliable server operation.

Data Center Technician

Intel Corporation / UST, Hillsboro, OR | September 2023 to February 2024

- Managed hardware configuration, inventory, and network setup for 70+ systems in a semiconductor product development lab.
- Wrote Python automation for lab support tasks; flashed boot images and configured BIOS/BMC for 50+ NUCs on Ubuntu Linux; resolved debug and hardware tickets in JIRA.

EDUCATION & CREDENTIALS

B.S. Business Information Systems, Minor in Computer Science Oregon State University | March 2025 | 3.7 GPA

Power BI Job Simulation, PwC Switzerland (Forage) 2023

Vice President, West Coast Romanian Baptist Youth Association | September 2023 to Present