

Michael Zuskin

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Certified and Award Winning PowerBuilder Developer

Experience since 2000

in telecom, commercial, insurance and real estate domains, private and government sectors

- Publications in PBDJ (PowerBuilder Developers Journal).
- Throughout my career, I've engineered solutions to overcome PowerBuilder deficiencies and improve code quality. They are published for free use: github.com/Ursego/PowerBuilder.
- My utility, popular among developers worldwide, which reveals hidden DataWindow information at runtime to make debugging much faster and easier: github.com/Ursego/DWSpy.

SUMMARY:

- Adept at transforming technical design documentation into finished software from database schema architecting, through sophisticated business layer, to complex interactive GUI.
- Ability and passion to write clean, self-documenting code that conforms to the highest standards for building components that are easy to maintain, enhance and troubleshoot, with strict commitment to code re-use by refactoring to generic functions: github.com/Ursego/ElegantProgrammingClub.
- Deep knowledge of object-oriented concepts and their practical applications.

TOOLBOX:

- PowerBuilder, PowerScript, PFC
- Oracle, PL/SQL, TOAD, PL/SQL Developer, MS SQL Server, Sybase ASE, T-SQL
- TypeScript, Angular, NgRx, RxJS, JavaScript, HTML, CSS, XSL, XML, Visual Studio Code
- .NET, C#, VisualBasic.NET, WFC, PowerShell, Visual Studio, Java, Eclipse

EMPLOYMENT HISTORY:

Software Developer: Jun 2023 – Mar 2025

Tyler Technologies (tylertech.com) – Dayton, OH (remotely from Toronto, ON)

- Developed and maintained the mission critical Web application for Real Estate Appraisal and Property Tax Billing & Collection used by local governments across the USA and worldwide to tax more than 21M properties annually.
- *Front end:* **TypeScript 5, Angular 16, RxJS, NgRx**, Angular Forms, Material Design, **HTML/CSS**.
- *Legacy front end:* **JavaScript, HTML, XSL, XML**.
- *Middle tier:* **.NET 4.0, C# 7.3, Restful APIs, WCF Web Services**.
- *Back-end:* **Oracle 19c PL/SQL** packages, stored procedures and triggers.
- Used **Oracle Reports Builder 12** and **PL/SQL scripting** to develop and customize complex analytical financial reports for the authorities, and tax documents and letters for property owners.
- Utilized **Jira** for tickets lifecycle management in a busy Adjie environment.
- Managed multiple code versions for various releases, leveraging **GitHub** for version control.
- Proposed and implemented a **Git** tool to automate creating feature branches and backports into retro releases. Used **PowerShell scripting**, advanced **Git** commands and **Jira** integration API. The tool is published for free use: github.com/Ursego/JiGit.

Software Developer: Jan 2018 – Jun 2023

Echelon Insurance (echeloninsurance.ca) from CAA Club Group (caa.ca) – Mississauga, ON

- Contributed to maintenance and enhancement of the Standard Auto app (used by brokers and underwriters), and the Rating app (used by actuaries).
- *Front end:* **PowerBuilder** 12.5.
- *Back-end:* **Sybase ASE 15 Transact-SQL (T-SQL)** stored procedures.
- Implemented sophisticated eligibility rules considering the characteristics of vehicles and clients.
- Coded complex financial calculations based on business rules & rating factors.
- Proposed and implemented the Premium Calculation Log tool to trace and show the rating factors which make up the premium amount. That significantly facilitated testing and troubleshooting.
- Designed and developed a **Java ETL** app which extracts data from the Standard Auto Insurance tables, transforms it into the Zoho CRM schema and loads to Web through Zoho CRM API.

Software Developer: Oct 2010 – Jan 2018

Rogers Communications (rogers.com) – Brampton, ON

- Created new modules and customized/enhanced existing components of a huge Order Entry and Call Centre application supporting customers of the leading Canadian communication provider.
- *Front end:* **PowerBuilder** 8/12.5.
- *Back-end:* **Oracle 11g PL/SQL** stored procedures and packages using TOAD.
- As a single developer, created a PowerBuilder application for projects budgeting and teams' management in the Rogers IT Department. For that purpose, created a framework (as an extension of **PFC**), which enabled extremely quick and easy development. New per-entity classes were inherited from base classes with minimal changes required since the ancestor's generic functionality worked in most cases based on the DB tables names as long as the names of DataWindows and other objects obeyed the naming convention (like w_<entity> etc.).
- Performed team code review, suggested coding style, maintainability and performance fixes.

Software Developer: Oct 2006 – Sep 2010

Agriculture Financial Services Corporation (afsc.ca) - Lacombe, AB

- Added new parts and changed existing functionality in the client-server application used to provide insurance, loans and government subsidy to agriculture businesses of the province of Alberta.
- *Front end:* **PowerBuilder** 10 and **PFC**.
- *Back-end:* **Oracle 10g PL/SQL** stored procedures, packages and triggers using TOAD.

Software Developer: Oct 2005 – Oct 2006

Manitoba Public Insurance (mpi.mb.ca) – Winnipeg, MB

- Designed and implemented enhancements of a system used to manage driver license issuance and vehicle registration and insurance in the Province of Manitoba.
- *Front end:* **PowerBuilder** 10 utilizing the SOAP proxy technology.
- *Middle tier:* **VisualBasic.NET, MS Visual Studio.NET, WebServices.**
- *Back-end:* **Sybase ASE 15 Transact-SQL (T-SQL)** stored procedures.
- Proposed and performed code refactoring in the reporting engine to make enhancing existing and adding new reports faster and easier.

Software Developer: Feb 2000 – Jun 2005

Motorola, Inc (motorola.com/il.jsp) - Tel-Aviv, Israel

- Used **PowerBuilder** (6.5, 7, 8, 9) to code the app for the cellular phone provider's department.
- Participated in converting that app to Web using **ADO.NET, ASP.NET** and **C#**.
- Created and enhanced **ETL Oracle 9.2 PL/SQL** stored procedures which extracted the cellular department's data, transformed it to the Data Warehouse DB schema and loaded into the DW.
- Wrote ad-hoc Data Warehouse reports for the decision makers, and by requests of the police.
- Developed the "DataWindow Spy" utility which facilitates work of PowerBuilder developers showing the DW's hidden info. The tool is published for free use: github.com/Ursego/DWSpy.

PUBLICATIONS:

- "Power Building with Exceptions" - PowerBuilder Developers Journal, January 2012
- "The Art of Naming" - PowerBuilder Developers Journal, March 2012
- "Code Writing Style" - PowerBuilder Developers Journal, April 2012
- "Managing Functions" - PowerBuilder Developers Journal, May 2012

CERTIFICATION:

- PowerBuilder: tinyurl.com/MichaelZuskinPBCert.
- C#: tinyurl.com/MichaelZuskinCSharpCert.
- Oracle PL/SQL: tinyurl.com/MichaelZuskinPLSQLCert.
- Java: tinyurl.com/MichaelZuskinJavaCert.

EDUCATION:

- 2019: Advanced Java Programming course – Seneca College, Toronto (<https://bit.ly/2XOAUHf>).
- 2001: Software Engineer – The College of Management, Israel (<https://english.colman.ac.il>).
- 1998: Database Programming course (SQL, Oracle, PowerBuilder) – Le Bone College, Israel.

FROM ANNUAL PERFORMANCE REVIEWS BY THE DEPARTMENT MANAGERS:

Ivee Medrano, Sr Manager, Solutions and Design at Rogers Communications:

"Michael was converted as a full-time employee early in 2011 and a well deserving conversion. He has excellent technical and analytical skills and is an asset to the team. He is a dedicated and committed individual. He was involved in many CSM [Customer Service Management] complex projects and worked closely with CSM Technical Lead to provide solutions to needed requirements. He played a key role as a developer, participating in solution stage discussions with Technical Leads, providing required feedback for use cases flow scenarios. He completed Detailed Design documentation with great quality and efficiency. Michael successfully completed coding and testing of all tasks and projects assigned and delivered to QA on time with no significant rework ever required. He was able to work with minimal assistance from his team lead. All defects assigned to him were resolved quickly and effectively in collaboration with QA team. All work orders and service calls were closed on time, all deadlines were met. When asked to help production support to provide root cause analysis he completed accurately and in a timely fashion. Michael is also very proactive in looking for new and more efficient processes. As an example, he utilizes methods of defensive programming to enable early finding of problems and to prevent hidden bugs."

Steve Coleman, Vice President Information Technology at Echelon Insurance:

"Michael is a seasoned developer with very strong technical skills. Works well with the immediate development team as well as other areas within the IT department. Problem solving is a key component in delivering GIS [General Insurance System] solutions. It is also very challenging. However, he consistently gathers the information needed to formulate solutions through effective problem solving. Methodically manages tasks and timelines effectively. Works collaboratively with the BA's, QA's, Infrastructure and Management staff to achieve assigned goals. Michael is constantly looking for and evaluating methods to increase proficiency. He has offered many suggestions and shared them with the team. Communicates effectively with the group to ensure that everyone is at the same level of understanding. Due to the volume of work for a small team, Michael is often required to work independently and does so on a regular basis. Michael is also able to work cooperatively with others as the need arises to address any issues requiring a team effort. Documenting the GIS Rating process and sharing with other developers would be good example of taking on additional responsibilities. Unless challenges arise outside of Michael's control, he is always meeting assigned deadlines."



Being innovative

April 28, 2021

Really good initiative!

I would like to highlight a good point of initiative. It is sometimes difficult for the IT team to solve certain requests made by the business. On our end, we make requests but we don't really know what can be done, how it could be done, and what really can't be done. Michael recently solved a request with a suggestion that perfectly met the need for the feature. Taking the time to listen to my need allowed him to come up with a great solution. Thank you Michael for your work on the non-standard flag, I am sure that the Quebec UW will appreciate the new programming.

Applause Award