

# Michael Zuskin

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## Certified and Award Winning PowerBuilder & SQL 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 address PowerBuilder limitations and enhance code quality. These contributions are publicly available at: [github.com/Ursego/PowerBuilder](https://github.com/Ursego/PowerBuilder).
- My utility, popular among developers worldwide - facilitates and accelerates testing and debugging by revealing hidden runtime DataWindow data: [github.com/Ursego/DWSpy](https://github.com/Ursego/DWSpy).

### SUMMARY:

- Proficiency in transforming business requirements and technical design documentation into finished functioning software (from conceptual data modeling and database design to sophisticated business logic layer and complex, multi-screen GUI), and production systems enhancement.
- Passion to write clean, self-documenting code that conforms to the highest standards for building components easy to enhance and troubleshoot: [github.com/Ursego/ElegantProgrammingClub](https://github.com/Ursego/ElegantProgrammingClub).
- Adept at defensive programming for early issues detection to reduce risks and remediation costs.
- Deep knowledge of object-oriented concepts and their practical applications.

### TOOLBOX:

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

### EMPLOYMENT HISTORY:

**Software Developer:** Jun 2023 – Mar 2025

**Tyler Technologies ([tylertech.com](https://tylertech.com))** – Dayton, OH (remotely from Toronto, ON)

*Remark: this is the only non-PowerBuilder position in my career.*

- Developed and maintained the mission critical Web application for Real Estate Appraisal and Property Tax Billing & Collection used by NYC and other local governments to tax >21M properties annually.
- **Front end:** **TypeScript 5, Angular 16, RxJS, NgRx, HTML/CSS, JavaScript, 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.
- Managed tickets lifecycle in a busy Agile environment with **Jira**.
- Maintained 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](https://github.com/Ursego/JiGit).

**Software Developer:** Jan 2018 – Jun 2023

**Echelon Insurance ([echeloninsurance.ca](http://echeloninsurance.ca)) from CAA Club Group ([caa.ca](http://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](http://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.
- As the sole developer, I built an application for project budgeting and team management within the Rogers IT Department. For this, I crafted a framework (extending **PFC**) that significantly streamlined development. New per-entity classes derived from base classes, necessitating only minor adjustments since the ancestor's generic functionality typically sufficed, relying on DB table names and adherence to naming convention (e.g., d\_<entity>, w\_<entity>) for the CRUD functionality.
- Performed team code review, suggested coding style, maintainability and performance fixes.

**Software Developer:** Oct 2006 – Sep 2010

**Agriculture Financial Services Corporation ([afsc.ca](http://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.
- Used **Crystal Reports** to design and develop database-driven reports. Wrote complex **SQL** queries and stored procedures as their data sources.

**Software Developer:** Oct 2005 – Oct 2006

**Manitoba Public Insurance ([mpi.mb.ca](http://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:* **.Net WebServices** using **VisualBasic.NET**.
- *Back-end:* **Sybase ASE 15 Transact-SQL (T-SQL)** stored procedures.
- Proposed and performed code refactoring within the reporting engine, eliminating code duplication to accelerate the development and enhancement of reports.

**Software Developer:** Feb 2000 – Jun 2005

**Motorola, Inc ([motorola.com/il.jsp](http://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 **Transact-SQL (T-SQL)** stored procedures to enhance an auxiliary **MS SQL Server** app.
- Created ad-hoc Data Warehouse reports for the decision makers, and by requests of the police.

## **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](http://tinyurl.com/MichaelZuskinPBCert).
- C#: [tinyurl.com/MichaelZuskinCSharpCert](http://tinyurl.com/MichaelZuskinCSharpCert).
- Oracle PL/SQL: [tinyurl.com/MichaelZuskinPLSQLCert](http://tinyurl.com/MichaelZuskinPLSQLCert).
- Java: [tinyurl.com/MichaelZuskinJavaCert](http://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