

Igor Tvorogov *Software Developer*

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Generalist software engineer with rich experience in backend, frontend, and database development. Leverages technical expertise and strong analytical and problem-solving skills to deliver quality results and high levels of stakeholder satisfaction. Excellent communication and interpersonal skills.

Summary of Accomplishments

- Empowered crucial business and decision-making processes at Transworld Systems Canada
- Developed custom Shopify website for local gift store
- Laid foundation for **Dark Horse Bets** platform at Woodbine Entertainment
- Leveraged power of cloud computing to enhance enterprise DNS product at BlueCat Networks
- Implemented process to validate server certificate installations at TD Bank
- Built a multitude of course projects working individually and in teams during academic training
 - Java: **Breakout**, **Blackjack**, **Go-Back-N**, **Picasso Editor**
 - C++: **OSPF Simulation**, command line-based **Dungeon Crawler**
 - Full Stack: Event Organization **Web App** (MySQL/Spring Boot/Javascript + HTML w/Sass)
 - Android: Pocket Chef **app** that tracks an inventory of ingredients and suggests recipes

Technical Skills

- **Object-Oriented and Backend Programming:** C/C++, C#, Java, Python
- **Frontend:** HTML/CSS, Javascript, React
- **Database:** MySQL, MSSQL, CUBS
- **Frameworks:** Java Spring, Java Android, .NET, ASP.NET
- **Scripting and automation:** VBA, MultiValue BASIC, Bash, Gradle, PowerShell
- **Cloud:** AWS, Microsoft Azure, Netlify
- **IDEs:** IntelliJ IDEA, VSCode, Visual Studio, Eclipse

Professional Experience

Programmer/Analyst, *Transworld Systems Canada*

Feb 2021 - Present

- Develop software solutions to empower crucial business and decision-making processes
- Data exchange, reporting, and visualization; enterprise process automation and systems integration with C#/.NET, MySQL, MSSQL, CUBS, VBA, and PowerShell
- Internal web portal development and maintenance with ASP.NET

Shopify Developer Commission, *Bloom Balloon Store*

Jan 2022 - Feb 2022

- Custom Shopify website development for the local business (defunct, reference available upon request)
- Custom functionality and styling development with Javascript, CSS, Liquid, and Google Maps API

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Application Developer Co-Op, Woodbine Entertainment

Jan 2018 – Sep 2018

- Prototyping and development of **Dark Horse Bets** platform in Agile team
- Backend and REST API development with Java Spring
- Development environment and build automation with Gradle
- Database development and administration with MySQL

Software Engineer Co-Op, BlueCat Networks

Jan 2017 – Sep 2017

- Enterprise DNS software development with C++ and Java
- Application containerization with Docker
- Automation of cloud deployment on MS Azure and AWS with Bash and Python
- QA and unit testing development with Java
- Manual software testing and bug reporting

IT Analyst Co-Op, TD Bank

Jan 2016 – Sep 2016

- SSL/TLS certificate processing with Symantec web portal
- Automation of certificate verification with VBA and OpenSSL

Education

BCS, Computer Science, University of Waterloo

2014-2020