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| **Troy (St. Clair Boyd) Forster**  Director of Technology and Innovation  Toronto (Downtown), Canada  [troy.forster@gmail.com](mailto:troy.forster@gmail.com)  [416 617 4921](tel:4166174921) | <http://tforster.com>  <http://blog.tforster.com>  <https://twitter.com/tforster>  <https://github.com/tforster>  <http://www.linkedin.com/in/tforster>  <https://www.facebook.com/troy.forster>  <http://instagram.com/tforster> |

# About Me

Deep experience developing creative solutions for challenging problems. I am a hands-on technologist that inspires and leads my technical staff. I put my clients first as a future-thinker architecting for long term sustainability. I draw upon a wealth of experience from many diverse industries including legal, financial, telecommunications, communications, advertising, engineering and government. I am exceptionally articulate and adapt my communication to each audience’s level of technical understanding

# Recent Projects and Highlights

* Currently building a scalable web-crawler-as-a-service using serverless architecture via AWS Lambda
* Designed and implemented high performance API for [theprojecthive.com](http://theprojecthive.com/)
* Major [mobile application](http://www.niquitin.co.uk/) for GlaxoSmithKline
* Global sales support tool for Pfizer in 20+ countries
* Autonomous drone with text-to-speech megaphone
* Architected a NodeJS Multilingual CMS SPA with Ajax SEO support
* Sun activated mobile coupon for sunscreen product
* IoT out-of-office indicator
* GPS timed linear clock

# [**St. Joseph Communications, Content Group**](http://stjoseph.com/) June 2015 to present

## Director, Interactive Services

* Manage the day-to-day operations of the Web Development, Software Engineering and Motion Graphics teams totalling 30 people
* Provide leadership, communication, prioritization, and decision-making activities
* Customer focused for both internal and external clients
* Provide technical and detail-oriented support to internal teams, while managing and overseeing numerous projects simultaneously
* Introduced continuous improvement
* Introduced agile/scrum

# [**Horizn Studios**](http://www.horizn.com/) February 2015 to May 2015

## Director of Technology

* Manage development team

# [**TBWA\Toronto**](http://tbwa-toronto.com) April 2010 to January 2015

## Director of Technology and Innovation

* Technology Evangelist
* Manage team of ten developers and ensure we adhere to the practices and processes I define
* Clients include: AMI, CMA, Cooper Vision, Energizer, Gatorade, GlaxoSmithKline, Google, Grammy Awards, Infiniti, KPMG, Minto, Nissan, Petro-Canada, Pfizer, Purina, TEDMed, Visa, WestJet, Yellow Tail Wines
* Work with digital strategists and creative teams from the earliest point to ensure the technology is feasible and that we are pushing boundaries
* Define application, information and database architectures for all projects
* Responsible for all Creative Technology R&D
* Member of New Business team and participate in new business pitches
* Global tech consultant with various TBWA\DAN offices including New York, LA and London

*Arduino, ASP.NET, C#, CSS3, ExpressJS, Facebook API, Git, Google APIs, HTML5, IIS, Instagram API, IoT, Java, JavaScript, JSON, JSP, Linux, MongoDB, mSOA, MySQL, Nginx, NodeJS, ODB-II, PhantomJS, PhoneGap, PHP, Python, Raspberry Pi, SQL Server, SVN, Twitter API, Web Services, Windows, XML, YouTube API*

# [**Adbeast**](http://adbeast.com/) **(Toronto)** November 2005 to March 2010

## Solution Architect

* Designed and developed strategic modules for the [Adbeast Studio](http://www.adbeast.com/studio.html)
* Mentored five person development team
* Implemented best practices including version control, unit testing and shared documentation
* Responsible for all custom application development for clients including Anheuser Busch and William F. White International Inc.

*ASP.NET, C#, CSS, Flickr API, HTML, IIS, JavaScript, JScript, JSON, QuickTime,mSOA, S3 API, SQL Server, SVN, VBScript, VSS, web services, XML, YouTube API*

# [**Aird & Berlis LLP**](http://www.airdberlis.com/) **(Toronto)** January 2004 to November 2005

## Solution Consultant

* Developed network and systems management applications, end-user utilities and unattended deployment and installation scripts
* Developed Blackberry intranet via BES MDS
* Mentored developers

*ADSI, COM, DNN, DocsOpen, IIS, InstallShield, JavaScript, SQL Server, VB, VB.NET, VBScript, Win2K3, WMI*

# Creative Standard Canada (Toronto) January 2003 to January 2004 (company closed)

## Development Manager

* Worked directly with several of CSC’s largest clients to design and develop the next generation of their Content Management System (CMS).
* Completely redesigned and rewrote the CMS to simplify administration and facilitate addition of custom modules which included rich roles based permission and page versioning

*ADO, ADSI, ASP, COM+, HTML, IIS, JavaScript, SQL Server, VB, VBScript, XML, XSLT*

# [**Travelex Canada**](http://www.travelex.ca/CA/For-Business/Products-and-Services/Products-and-Services/) **(Toronto)** January 2002 to January 2003

## Senior Consultant

* Designed and built a currency application for distributing rates in real-time to the traders.
* Created scalable framework for integrating multiple legacy financial systems.

*COM, HTML, IIS, JavaScript, MTS, SQL Server DTS, VB, VBScript, XML, XSLT*

# [**Aird & Berlis LLP**](http://www.airdberlis.com/) **(Toronto)** February 2001 to January 2002

## Senior Consultant

* Built new, and enhanced existing front line business applications

*COM, DocsOpen, HTML, IIS, JavaScript, MS-Access, SQL Server, VB, VBScript, VBScript,*

# [**Ontario Ministry of Labour**](http://www.labour.gov.on.ca/english/) **(Toronto)** September 2000 to February 2001

## Development Consultant

* Contracted to complete the development of an existing project named Inspector Notebook. Inspector Notebook is a distributed application that runs on 300 laptop computers used by labour inspectors across the province. Local data in Sybase is synchronized with a central Oracle back-end in Toronto.

*MS Access Forms, Sybase Adaptive Server Anywhere, VBA*

## [**International Labour Organization (Geneva, Switzerland)**](http://www.ilo.org/) January 2000 to May 2000

## Development Consultant

* Worked with vendor of existing workflow application to design and develop a new web-enabled module for the United Nations International Labour Office.

*ASP, DHTML, IE DOM, IIS,MS Access*

# [**The City of Toronto**](http://en.wikipedia.org/wiki/Toronto_Works_and_Emergency_Services) November 1998 to January 2000

## Development Consultant

* Developed automated operating system and application deployment for the former Works and Emergency Services division
* Developed numerous windows and web applications to assist in administration of environment

# [**The Bank of Novascotia**](http://scotiabank.com) **(Toronto)** July 1997 to November 1998

## Year 2000 Consultant

* Provided technical expertise on all PC related issues pertaining to The Bank’s Year 2000 Challenge
* Conceived, designed and developed the Bank’s first Intranet site

*ASP, IIS, Turbo Pascal, VBScript*

# [**Rogers Communications**](http://rogers.com) **(Toronto)** June 1995 to July 1997

## Senior Developer

* Applications Integration and Deployment
* Responsible for advancing the architecture of Rogers Enterprise wide common desktop

# [**Tories LLP**](http://torys.com) **(Toronto)** April 1994 to June 1995

## Helpdesk Specialist and Intermediate Developer

* Provided expert 1st level support to over 600 users of Microsoft Office Professional 4.2
* Extensive programming, customization and routing of MS Word documents using WordBasic

# [**Burson-Marsteller**](http://burson-marsteller.com) **(Toronto)** September 1992 to April 1994

## Technical Administrator and Account Coordinator

# Dawson Microsystems (London, ON) February 1991 to September 1992

## Inside PC Sales

# Mandelbrot Computer Solutions (London, ON) August 1990 to February 1991

## Sole Proprietor

# [**HepcoMotion (London, UK)**](http://hepcomotion.com/) July 1988 to August 1990

## Production Planning Programmer

*Turbo Pascal*