

Troy (St. Clair Boyd) Forster

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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
- Major [mobile application](#) 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

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

February 2015 to May 2015

Director of Technology

- Manage development team

TBWA\Toronto

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 (Toronto)

November 2005 to March 2010

Solution Architect

- Designed and developed strategic modules for the Adbeast Studio
- 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 (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 (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 (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 (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)

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

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 Nova Scotia (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 (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 (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 (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)

July 1988 to August 1990

Production Planning Programmer

Turbo Pascal