

Results-oriented technologist, leader and mentor, with specialization in Infrastructure and Application Architecture, DevOps, Traditional and Cloud Internet Services and Applications, Workflow Automation, Systems Integration, ETL, EDI. Demonstrated success in providing concise, effective analysis and recommendations, and making systems communicate and operate more efficiently.

Goal

I am seeking to join an organization as a full time commitment to further my career quest of continuous learning, keeping up with technology in order to help to plan beyond the horizon to solve the next generation of challenges.

Career Overview

ControlCase LLC

Burlington, ON 2015 - 2019

VP Infrastructure R&D for global IT Certification and Compliance services provider.

- Leadership and Mentoring, Technology Evangelism
- Promoted infrastructure and development innovation and best practices.
- Traditional and cloud architecture design and improvement.
- Promoted and improved automation, DevOps, CI/CD, API Integration, Cloud Architecture, Machine Learning.
- Provided operational, technical and architectural sales support in Canada, US and India.

Led Infrastructure innovation

- Developed hybrid AWS Application Delivery Model (compute/container/lambda)
- Designed and implemented infrastructure log analysis and alerting system
- Led Unix and TCP/IP troubleshooting seminars, mentored engineers
- Introduced and promoted developer tool standardization
- Automated troubleshooting, monitoring and data collection
- Built proofs of concept (POC), implementation plans
- Systems integration between CRM, configuration and asset management, monitoring, SAAS

Led and managed Appliance Development team to enable scaling from hundreds to thousands of nodes

- designed and implemented Appliance Lifecycle Management Services to automate operations and integration of asset management, orchestration, CRM, VPN, and to establish source of authority for network of connected appliances and expose management API.
- automated appliance deployment (physical, ESXi/HyperV, AWS/Azure/Oracle)
- Puppet for centralized configuration management

Keek Inc

Toronto, ON 2014 - 2015

Software Architect for leading Mobile-First Social Media short-format Video application.

Senior member of back-end team building and supporting mobile application with 75+ million users in 90 countries. Programming, design, architecture, troubleshooting all layers from application to network protocols. Microservices, job queues, MongoDB, Redis, Cassandra, ElasticSearch, Hadoop

Extensive Dev and Ops

- automated developer VM build and configuration
- replaced and refactored search system
- centralized logging with ElasticSearch, saving \$150,000/yr
- messaging protocol performance improvements

Knowledgeworx

Vaughan, ON 2002-2011

Founding technology partner of wireless networking company.

Built company from startup to 9 years of operations

- Defined and implemented highly available infrastructure to support customer-facing wifi to 450+ McDonalds Canada locations.
- Created tools for provisioning, distribution, updates and monitoring of configurations, firmware for thousands of installed devices.
- Devised network monitoring and configuration tools for Magna International's global network.
- Automated management of wireless and networked devices for Cadillac Fairview retail properties.
- Developed Sharepoint-based Asset Management portal.

Ashley Information Technology Services Inc.

Clients in Canada, USA, UK 1996 – 2015

Long and Short term contracting and consulting for a wide variety of clients.

Engagements range from half-day to 10 years. Small business, global enterprise, government.

Selected Highlights:

(for full CV and complete engagement history see <https://ashleyit.com>)

- **Teva Canada 2010-2015:**
 - Coded, tested and validated Document Management workflow automation and its integration with Learning Management System in GXP pharma environment.
 - Designed, implemented custom ETL framework for importing diverse partner documents and data, reducing monthly manual workload by 5 man-days, increasing data confidence, audit trail, compliance.
- **ClubsAndGifts.com, Affilio.us -2013:**
 - Affiliate Marketing Application and Tools
 - Shopify App, REST API, Auth interfaces
 - Custom Wordpress plugin for subdomain permalinks and routing
 - Custom scripting - JS,PHP,MySQL/Codelgniter/Wordpress
- **Justice Cluster, Community Safety and Correctional Services - 2013:**

Ontario Police Technology and Information Cooperative: Infrastructure Integration Specialist

 - Mission Critical application, network support. Intergraph CAD, Niche RMS, Data Mart
- **Kornerstore.ca - 2013:**
 - Cloud Storage Provider - Designed and built client/admin application.
 - Integrated with Stripe Payment API, Webhooks.
 - Integrated with Cloud Storage provisioning API.

- **Rogers Communications : 2010:**
 - Consulting on development tools and frameworks
 - Built daemon to manage connection pooling for cable distribution systems with SOAP API for Oracle Services Bus
- **LearnNetLive, 2001:**
 - Key architectural design and implementation of live internet voice chat and whiteboard application to enable tutors and students to interact in real time.
 - Introduced custom JSRS Javascript-ASP RPC mechanism to enable real-time messaging between client and server.
- **TLC The Laser Centre, 1996-2008:**
 - Built and extended enterprise CRM, vector-based nomogram tools for the analysis of post-surgical data, resulting in feedback that significantly reduced the necessity of enhancement procedures.
 - Experimentation in browser-based RPC methods led to pioneering of pre-AJAX techniques.
- **Visual Frenzy Media, 2002 to 2004:**
 - Senior role in architecture and programming of rich media repository, delivery and distribution system for the travel and lodging industry.

Ontario Government (Justice Ministries)

Toronto, ON 1988-1998

- Senior roles in support of data communications and networking infrastructure.
- High security clearance.
- Support of critical hardware and software for Ontario Provincial Police, Corrections, and the Attorney General.
- Involved in seminal internet initiatives in the early 1990s.
- Built first Attorney General website in 1996.

National Semiconductor Corporation, Hugin-Sweda

Canada, USA, England, France 1982-1988

Field service of Point of Sale hardware

- Installation and maintenance of highly available redundant mainframe-based point-of-sale systems.
- Installed England's first Laser-scanning cash register system in 1984.

Arkon Electronics, Exceltronics

Toronto, ON 1979-1982

Retail sales and support of electronic components and computers, design and construction of hobby kits and microcomputer systems.

Education

1979-1982 Ryerson Polytechnical Institute - Electronics Engineering Technology (Computer Option)

Vice President, Electrical Society

Speaking Engagements

2005, 2006, 2007 - Ajax Experience, San Francisco and Boston - Speaker and Panelist

2007 - Ryerson University - Distinguished Lecturer - *Ajax Transports*

2006 - iSummit.ca - Ajax expert on Web 2.0 Panel

2005 - O'Reilly/AdaptivePath Ajax Summit - Opening speaker at first Ajax event

Articles, Papers, Publications

2015 - Kibana Essentials - Gupta; Packt Publishing - Technical Reviewer

2007 - IBM DeveloperWorks - Article: Secure Mashups

2005 - Foundations of Ajax - Asleson, Schutta; APress - Technical Reviewer

2003 - Industry Canada - Co-author: Policy, Technical and Economic study of Unsolicited Commercial Email (Spam)

2000 - Javascript Remote Scripting - Author of specialized Javascript library to allow cross-platform RPC capability between web browsers and servers. This library was the most widely used precursor to modern Ajax techniques and was highlighted in many industry publications

1992 - Extending the QBasic Interpreter with Assembly Language - QBNews

Career Accomplishments

Throughout my career I have been involved in many varied and notable groundbreaking initiatives and have been active in the culture and community surrounding technology, attending, leading and hosting events and discussions worldwide in the cause of sharing and advancing knowledge and techniques.

- Extensive involvement in early microcomputer and electronics industry 1979-1982
 - design and sales of hobbyist electronics, 6502 and Z80 microcomputers
 - constructed and tested important microprocessor system prototypes
 - UofT 6809 microcomputer prototype
 - Toronto Transit Commission dot matrix display POC
 - Airborne radar seismic survey equipment prototype
- Point of Sale 1982-1987
 - Installed and maintained the first Laser Scanning cash registers in England in 1984
- Government of Ontario Technology Firsts 1988-1998
 - Automated Ontario Provincial Police Orders Search 1990
 - Involved in defining Ontario Public Service internetworking standards 1992-1996
 - Built first Attorney General website 1996
- Leadership in BBS, Internet forums 1988-2005
 - international collaboration on early DOS and web programming techniques
- Advanced Web Development 1998-2007
 - recognized worldwide expert on Remote Procedure Call (AJAX) techniques
 - opening speaker at first Ajax event
 - authored cross-platform JavaScript Remote Scripting library 2000
 - created first in-browser text chat system 2001
 - created early anti-SPAM service 2003
- early influential tech blogger with posts going back to 2001
- built and implemented country-wide customer-facing wifi for McDonalds 2003
- first personal sponsor of Toronto DemoCamp events 2009
- Organized and presented WiFi, Ajax, JavaScript, PHP, Ruby on Rails meetups 2003-2016

Contact

Brent Ashley
Burlington, ON

brent@ashleyit.com
(416) 271-6373