Chris Waller

9B–1460 Highland Road W Kitchener, ON N2N 0B7 • (226) 791-8618 • chris.waller@worldwidewaller.ca

Full Stack Web Application Developer & Tech Lead

8+ years experience designing, developing, delivering and maintaining dynamic, cross-platform web applications. 6+ years experience successfully working with both internal and external stakeholders to define project scope and deliverables. 5+ years experience in tech lead roles with a proven track record of delivering results. 5+ years experience deploying production-ready cloud-based web applications in AWS, Linux or Windows environments.

- Dynamic, scalable, cross-platform web design, development & deployment
  - ReactJs, JavaScript, SCSS and HTML expertise
- Database administration, configuration & development
  - SQL expertise including stored procedures, transactions, scheduled jobs, database backup & replication
- Requirements gathering, stakeholder demos, acceptance-test preparation, commissioning, troubleshooting
  - Full & constant SDLC exposure throughout a 9+ year career

Technical Skills

All listed skills have been used professionally to develop and deliver production-ready web applications

Languages:	JavaScript, CSS/SCSS, HTML, SQL, Java 8, Ruby on Rails, PHP, XML, YML, C#
Frameworks & Libraries:	ReactJs, redux, AJAX, JSON, flex, bootstrap, npm, webpack, jQuery, leaflet, mapbox, highcharts, recaptcha, Java DropWizard, .NET, Crystal Reports, SSRS
Web Development:	RESTful/SOAP web services, websockets, SSL certificates, domain registration
Deployment:	Amazon Web Services (AWS), docker, Jenkins, Maven
Database:	SQL Server, MySQL, Postgres, DynamoDB, migrations, replication, optimization, scripting
Source Control:	GIT, GitLab, Perforce, Microsoft Visual Source Safe, SVN
Operating Systems:	Windows, Windows Server, Linux
Code Testing:	J Unit, Mockito, Cucumber, Selenium

Management Skills

All listed skills have been used professionally to manage software development projects in a corporate environment

People Management:	• Onboard new team members (design docs, dev/build environment setups) • Interviews for management, senior, intermediate, junior and co-op positions • Interface with individuals from a variety of different industries, with various degrees of technical background: UI/UX designers, testers, technical support, marketing, legal, customers, partners, end-users
Project Management:	• Agile development as a preferred project methodology • Scope management, including managing scope-creep • Project-based meeting organization (local or remote) • Story creation, tracking & estimates using JIRA • Code reviews, build checks, production deployment backup & installation

Professional Achievements

January, 2019 (Aeryon Labs / FLIR)
Was instrumental in the initial stakeholder meetings, design, development and deployment of a highly successful ReactJS/Java8 video application used by emergency responders to monitor critical situations in real-time. This software played a key role in FLIR's public acquisition of Aeryon Labs.

November, 2015 (Brock Solutions)
Tech lead and commissioner for a brand new baggage handling system for the Myrtle Beach International Airport, in cooperation with the United States TSA. Project completed, installed and passed every key deliverable milestone on-time and well under-budget.

June, 2014 (Brock Solutions)
Reverse-engineered a broken and undocumented baggage handling system from a major United States airport. Able to recover the missing airport data while creating some patches to keep the system running. This led to a proposal for a major software and hardware upgrade.

January, 2012 (Brock Solutions)
One of two team members responsible for commissioning, setting up acceptance-testing and attending go-live of a brand new United States Postal Service (USPS) mail sortation system for O'Hare International Airport. Project delivered ahead of schedule and helped secure a financial incentive for one of the project's partners.

Professional Experience

PERSONAL PROJECTS (March 2019 – Present)

- Voluntary time off of work to focus on personal projects and advanced learning
- See my online resume of a current f a web application currently being developed
    - http://resume.worldwidewaller.ca

***AERYON LABS INC / FLIR,* Kitchener, ON (Mar. 2016 – Mar. 2019)**

Web Application Developer / Team Lead
Skills/Tools/Libraries Used: ReactJs, redux, HTML, CSS, JavaScript, jQuery, JSON, AJAX, REST, websockets, bootstrap, flex, Java 8, DropWizard, Postgres, AWS, XML, JIRA, GIT, SVN, maven, npm, docker

Designed and developed a scalable, cross-platform ReactJs web application capable of displaying live video and telemetry from aerial drone cameras

- Researched and began initial development into an RTSP video player for displaying, pausing and seeking live video
    - By utilizing just-released technology and helping to design and create multiple propriety protocols and applications, was able to take the existing web application that could handle one video with 30 seconds latency, to 16 videos having less than a one second latency. This new web application also had the ability to pause and rewind the live video/telemetry of each camera individually – something that had never yet been attempted anywhere in the world.
- Created a custom Java 8 DropWizard back-end system designed around cloud-based infrastructure, specifically AWS but designed to be 100% vendor-agnostic.
- Helped create and lead a small team in charge of the front-end development of the web application. Used a combination of AJAX and websockets to retrieve the server data.
- Conducted dozens of interviews to hire for management, senior, junior and co-op positions

FORMULATING CHANGE, Kitchener, ON (Feb. 2015 – Mar. 2016)

Web Application Developer and Administrator
Skills/Tools/Libraries Used: Ruby on Rails, C#, REST, HTML, CSS, JavaScript, jQuery, JSON, AJAX, bootstrap, flex, XML, YML, MySQL, JIRA, Subversion, GIT, Windows, Debian, Visual Studio

Developed and deployed scalable, cross-platform Ruby on Rails web applications and C# web services to QA, staging and production environments.

- Increased the speed of the website's data search by 500% by customizing and integrating an open source search indexer (Sphinx)
- Wrote SQL scripts to perform data mining research for all departments
- Overhauled two significant portions of the website by refactoring duplicate code

BROCK SOLUTIONS, Kitchener, ON (Jul. 2011 – Feb. 2015)

Project Tech Lead (Apr. 2013 – Feb. 2015)
Skills/Tools/Libraries Used: C#, HTML, CSS, JavaScript, jQuery, Objective-C, ASP.NET, REST, MSSQL, Perforce, XML, SSRS, Windows, Windows Server, IIS, Visio

Enhanced and maintained a scheduling and training application for a large security company in co-ordination with the Canadian TSA

- Decreased load time of a mobile application from 3.5 minutes to 3.5 seconds by optimizing the database
- Self-taught Objective-C when the company had an immediate need for iOS development

Software Tech Lead (Feb. 2012 – Feb. 2015)
Skills/Tools/Libraries Used: C#, HTML, CSS, JavaScript, jQuery, ASP.NET, REST, MSSQL, JIRA, Perforce XML, Crystal Reports, SSRS, Windows, Windows Server, IIS, Visio

Worked on multiple teams developing baggage handling systems for airports across the United States.

- Helped secure a multi-million dollar deal by reverse-engineering a live baggage handling system (BHS) for a large commercial airport in the American southwest
- Actively participated in all phases of the SDLC for over a half dozen projects
- Configured, installed and tested Windows servers, web applications and SQL Server databases

Web Application Developer (Jul. 2011 – Feb. 2015)
Skills/Tools/Libraries Used: C#, HTML, CSS, JavaScript, jQuery, ASP.NET, REST, MSSQL, JIRA, Perforce, XML, Crystal Reports, Windows

Worked for multiple projects on the company's core web application that provided customers with a real-time look at the baggage system through dashboards, reports and search screens.

- Wrote custom C# ASP.NET web pages utilizing existing page templates
- Created embedded Crystal Reports and SSRS reports to view airport statistical and maintenance data
- Troubleshoot web applications bugs and installation issues.

ABC ETC, **Hamilton, ON, (Jul. 2011 – Feb. 2012, contract)**

Web Application Developer
Skills/Tools/Libraries Used: VB.NET, HTML, CSS, MSSQL , XML, Windows

Responsible for reverse-engineering, refactoring and documenting an existing VB.NET application

- Successfully completed the task ahead of schedule to the great satisfaction of the client and asked to fix another portion of the application due to the success displayed on the initial work
- Refactored the code into an object-oriented model to limit duplicate functionality

Links

GitHub: *http://resume.worldwidewaller.ca*

AeryonLive (beta application promo video for AeryonLabs):
https://www.youtube.com/watch?v=Yv-xtL_wfiU
https://www.youtube.com/watch?v=YGcwxezf0Yw

LinkedIn: *www.linkedin.com/in/chris-waller-54881a29*

GitHub: *https://github.com/chris-waller/personal_projects*

Education

Software Development and Network Engineering Advanced Diploma, *with Honours*
Sheridan Institute of Technology and Advanced Learning, 2010