

RESUME

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Table of Contents

Table of contents	2
Highlight of the skills	3
Accomplishments	4
Employment history	6
Education	6
Security Status	7

Highlight of the skills

- Engineer the web/mobile and strive for perfection.
- Make useful stuff, make stuff useful and accessible by bringing emerging technologies into the process.
- Explore and research new technologies, evaluating their suitability, accessibility and relevance to clients and prospects.
- Strong analytical and creative problem-solving skills as well as the ability to make effective decisions under extreme pressure
- Strong working knowledge of backend Java including and AEM/CQ CMS
- Deep understanding of Node.js and express
- Deep Understanding of user and design testing techniques
- Expert in WCAG 2.0, 2.1 and (WAI-ARIA) best practices
- Core knowledge of Government of Canada Digital Web Design Standards and policies
- Core knowledge of Government of Canada Web Experience Toolkit (WET 4) and the Aurora Design system
- Extensive knowledge in writing automation tests strategies like unit, integration and end-to-end tests
- W3C – Research member - Design Tokens Community Group
- W3C - Research member - Web Accessibility Guidelines Working Group (2017-2018)
- Ability to develop web content and mobile apps and enhance usability and accessibility by utilizing new technologies.
- Ability to develop complex single page web apps using JavaScript frameworks (e.g. Angular.js, React.js and React Native)
- Expert in hand-coded semantic (X)HTML, HTML5, CSS, CSS3

- Git, SVN, CircleCI, BuddyBuild, Heroku, AWS • HTML5, Shadow DOM, Custom elements, CSS3 (SASS+ LESS), Tachyons, Performant Animated UI, Canvas and WebGL, SVG animation, Responsive, Adaptive and Progressive web app patterns
- Expert in hand-coded Multi-screen/Responsive web apps.
- Deep knowledge in accessibility audits techniques using manual and automation tools.
- Expert knowledge of HTML and CSS specifications and cross browsers compatibility.
- Adobe Certified Expert (ACE) in Photoshop and Illustrator.
- Expert in user interface development process and workflow, content management and source control.
- Deep understanding of various database technologies MySQL, GraphQL, MongoDB, and Azure Cosmos DB
- Expert in building RESTful JSON API for dynamic web applications.
- Currently preparing for my AZ-400: Microsoft Azure DevOps Solutions

Accomplishments

- Contributed and built the Canadian Digital Service Accessibility Handbook and web guidelines
- As a web developer for Canadian Digital Service – I helped develop and draw the outline of the best developer guidelines and practices for all GOC online services
- Helped Develop a rapid prototype for the IRCC using cutting edge technologies like automatic MRZ Scanner and face detection and automatic PDF generation.
- Led and Developed the new content and design strategy for the Toronto Star News paper
Participated in the largest Digital web platform transformations for Rogers radio and Television Web sites (Sportsnet, OLN, Citytv and the breakfast-television)
- Currently working on delivering the first public and accessible Cyber Crime Reporting application for the Real Canadian Mounted Police

- Attributed in multiple research working group for the upcoming Government of Canada Design System
- Helped migrated and audited all Roger's media Digital, Radio and Television websites for accessibility compliance WCAG 2.0 level AA
- Lead the largest Roger's wireless dashboard application migration from Angular.js to Angular 5
- Developed multiple News Voice Apps for Alexa and Google Home using both the custom skill API and google SOK.
- Developed ML modules using Tensorflow for Google's vision kit.
- Worked on implementing AI to accessible content automations using AUTOMATED INSIGHTS and ARRIA for the Canadian Press.
- Created the Accessibility Charter for Toronto Star News services.
- Built React Native mobile apps for Both Metro and The Star News
- Built a highly scalable Video news accessible service IOS Tablet app for the Canadian Press.
- Built an awarded Accessible Author experience in Adobe AEM(CMS) for Toronto Star News.
- Developed voice recognition software for visual impairments.
- Contributed usability enhancements and made general improvements to functionality and information architecture
- Design mock-ups, wireframes, interaction flows and user interfaces for various web properties

Employment History



Canadian Digital Service

Technical Advisor

January 2019 – Current

Rogers Wireless Communication

Tech Lead Web Transformations Advisor

June 2018 – January 2019

Toronto Star News

Full Stack Developer

1 Yonge Street, Toronto

November 2013 – 2017

Maclaren McCann Canada

Creative Technologist

10 Bay Street, Toronto

February 2012 - November 2013

Maclaren McCann Canada

Web Developer

January 2010 – February 2012

Education

York University

BSC Computer Science

June 2011 - Current

Seneca College

School of Computer Studies

Computer Programmer Diploma

Cairo University

Bachelor Degree in Education

Faculty of Education, 1998 - 2001

Master's in Digital Education and Accessibility

Faculty of Education, October 2005

Security Status

This is my second year working for Treasury Board of Canada Secretariat /Canadian Digital Service and my Initial hiring required a SECRET level clearance - I have been granted a **SECRET** clearance with an effective date of 2018-10-11.