

# Ryan Fleck

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<b>EDUCATION</b>	<i>Bachelor of Applied Science</i> in Computer Engineering University of Ottawa, Canada. Graduating April 2021
<b>EXPERIENCE</b>	<i>.NET/Java Developer at MNP LLP (Technology Consulting)</i> Jan 2018 - Dec 2018 Software Development & Quality Assurance role. 3 4-month independent internships. <ul style="list-style-type: none"><li>• <i>Sitecore (.NET/C#)</i> - Built components and features using the Sitecore API.</li><li>• <i>TeamSite (Java/XML/JS)</i> - Added features &amp; fixed bugs in a Spring CMS.</li><li>• <i>Adobe Experience Manager (Java/JSP/JS)</i> - Extended AEM for a client bid prototype. Responsible for user/group security, workflow, writing components.</li><li>• <i>Technical Writing</i> - Responsible for writing clean, client-ready documentation.</li><li>• <i>Web Development</i> - Learned HTML/CSS/JS/Bootstrap working with frontend.</li><li>• Designed and executed multiple effective quality assurance protocols, utilizing automation and unit testing, for projects valued \$300k - \$650k.</li><li>• Worked in many agile development teams, utilizing CI/CD.</li></ul> <i>Xalgorithms Foundation</i> May 2018 - Present Contributes to the <i>Xalgorithms</i> Libre Software/Open Source project. Worked on the prototype .xalgo rule interpreter, implemented with Scala, Spark, Cassandra, Ruby. <ul style="list-style-type: none"><li>• <i>Quality Assurance</i> - Bugtested Xalgorithm language and interpreter prototypes.</li><li>• <i>Interpreter Development</i> - Wrote some minor functions for the interpreter.</li><li>• <i>Contributor</i> - Attends a weekly meeting to discuss technical progress.</li></ul>
<b>COMPUTER SKILLS</b>	<i>Programming Languages</i> - C#, Java, Scala, Python, JavaScript, Bash, C++, C. <i>Formatting Languages</i> - HTML, CSS, SASS, LaTeX, Markdown, AsciiDoc. <i>Operating Systems</i> - RHEL and Debian-derived GNU/Linux, FreeBSD, Windows. <i>Version Control</i> - Extensive use of Git for organizing and deploying work. <i>System Administration</i> - Enterprise and personal configuration of CentOS servers.
<b>WORKPLACE SKILLS</b>	<i>Documentation</i> - Proficient with the Microsoft Office Suite, LibreOffice and LaTeX. <i>Customer Service Experience</i> - Has worked in restaurants, coffee shops and retail. <i>Teamwork</i> - Has worked in teams on various job sites, excellent delegation skills. <i>Quality of Writing</i> - Appreciates brevity, can communicate complex ideas effectively.
<b>PERSONAL PROJECTS</b>	<i>CanUX Trivia</i> - Created a UX Trivia WebApp using NodeJS, Socket.IO, PostgreSQL. <i>BusBot</i> - Slack Bot for fetching OCT bus schedules using NodeJS, botkit, MongoDB. <i>PebbleHack</i> - Implemented a pebble watchface that responded to phone status. <i>Server</i> - Maintains a Debian server for Mumble, psql/mongo databases, automation. <i>Blog</i> - Built a site using and extending Jekyll(Ruby). I write about tech I use. <i>GameMaker, LibGDX, Three.JS, Pixi.JS</i> - Has written numerous 1-4 player games. <i>Art, Sound, Animation, Modeling</i> - Creates game assets w/ Gimp, Audacity, Blender. <i>Blockchain Christmas Tree</i> - Group project from uOttHack 2018. Wrote the JavaScript to Arduino (serial) interface for an Ethereum dApp, 3D Printed and soldered the tree.