

# Nicholas Brisebois

COMPUTER PROGRAMMER

Ottawa, Canada

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## Skills

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<b>Programming Languages</b>	Go, Python, C++, C, Java, Javascript (NodeJS), Bash, C# (ASP.NET), 68HCS12 Assembly, HTML/CSS
<b>Programming</b>	Functional and Object Oriented paradigms, Network Programming, Building REST Interfaces & CRUD APIs
<b>Cloud</b>	Amazon Web Services, Microsoft Azure, Oracle Cloud
<b>Hardware</b>	Arduino/Teensy, Raspberry Pi
<b>Databases</b>	Redis, Cassandra, Elasticsearch, OracleDB, MongoDB, SQLite3 and MySQL
<b>Tools</b>	Saltstack, Terraform, Vim, Git, Trello, Jira, SSH, Docker, Linux Services, Redhat Kickstart
<b>Operating Systems</b>	GNU/Linux, Blackberry QNX
<b>Spoken Language</b>	English (Fluent), French (Beginner)

## Work Experience

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### Cisco

SOFTWARE ENGINEER

*Ottawa, Ontario*

*Feb, 2021 to Present*

### RHEA Group

APPLICATION DEVELOPER (SECRET CLEARANCE)

*Gatineau, Quebec*

*Sept. 2019 to Feb, 2021*

- Improved performance and efficiency of company system by optimizing and re-engineering legacy Perl scripts into Go and Python where appropriate.
- Writing customer facing applications using NodeJS and Mozilla Nunjucks
- Implemented new features into company system using Golang and Python.
- Reduced time required to on-board new clients from a two-day process to a 30 minute one by creating a custom Ubuntu distribution using RedHat's Kickstart + Python.
- Hardened security of our databases using SSL/TLS both with Cassandra's native authentication along with Stunnel for Redis
- Made maintaining company system easier and more efficient by converting all programs and services to Docker containers.
- Managed company infrastructure using SaltStack

### Correctional Service of Canada

CLOUD/DEVOPS ENGINEER (RELIABILITY STATUS CLEARANCE)

*Ottawa, Ontario*

*May. 2019 to Aug. 2019*

- Researched and Implemented DEVOPS/SECOPS tools such as Pipelines, CI/CD, Automated Testing and Load Testing to be used by CS teams at Correctional Service
- Documented operation of new software solutions.
- Developed proof of concepts using NodeJS to test potential cloud platforms.
- Designed hardened network topology to use as proof of concept to test Oracle Cloud.
- Worked with Terraform to push POC cloud configurations to different cloud providers.

### Pivot & Edge

PROGRAMMER / SCHOOL CLIENT PROJECT

*Ottawa, Ontario*

*Jan. 2019 to December. 2019*

- Worked with team of other students to develop a multi-platform employee advocacy app "Beap" using MERN stack.
- Hardened app security with use of JSON Web Tokens.

## Awards

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### ALGONQUIN COLLEGE

- 2017 **Dean's Honours List**, Recognition for outstanding academic performance in the Fall 2017 Semester.
- 2019 **Dean's Honours List**, Recognition for outstanding academic performance in the Winter 2019 Semester.

## Education

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Relevant Courses Taken:

- Compilers, Network Programming, Java Application Programming, C Language Programming
- Databases, C++ Language Programming, Numerical Computing, Web Programming, Real-Time Programming
- Data Structures, Calculus 1, Processor Architecture, Operating System Fundamentals
- Web Enterprise Applications, Interfacing, Software Design and Testing, .NET Enterprise Application Development