

## Highlight of Qualifications

- Java, Python, C#, C++, C, Ruby, PHP, ASP, Java Script
  - Unix/Linux Operating Systems
  - Agile and Kanban
  - Oncall and DevOps Experience
  - Automation and Continuous Deployment
  - Full stack web experience with front and back-end development
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## Professional Work Experience

### Senior Software Development Engineer

Sept 2021 - Present

Amazon, Seattle, USA

- Lead engineer of the Contextual Carryover team in Alexa AI
- Designing, innovating and maintaining contextual awareness capabilities
- Thought leader for contextual interaction and product direction

### Software Development Engineer II

Apr 2018 - Sept 2021

Amazon, Seattle, USA

- Expanded Alexa's understanding to include exophoric (non-spoken context) scenarios
- Launched contextual music sharing capabilities validating the new exophoric architecture
- Designed end-to-end contextual voice based shopping support in Alexa. This feature launch required influencing multiple organizations for product alignment and successful execution

### Software Development Engineer

Mar 2016 – Apr 2018

Amazon, Seattle, USA

- Designed and implemented an API for semantic validation of context candidates
- Filed 3 patents related to anaphora resolution problems

### Software Engineer

Aug 2014 - Feb 2016

IBM Watson Analytics, Ottawa, Canada

- Designed, implemented and maintained a scalable multilingual Natural Language Processing Engine for business analytics
  - Obtained 3 patents and was the youngest member of the Watson IDT B patent review board
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## Education

### Bachelor of Engineering and Management, Software

Class of 2014

McMaster University, Canada

- Completed this unique five year program that combines a complete Software Engineering degree while taking the core requirements for a Commerce degree.
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## Patents

### Moniz. *SPEAKER BASED ANAPHORA RESOLUTION*

U.S Patent US 011580991, issued Feb 14, 2023  
U.S Patent US 10482885, issued Nov 19, 2019

### Moniz, et al. *DETECTION AND VISUALIZATION OF GEOGRAPHIC DATA*

U.S Patent US 11138244, issued Oct 5, 2021  
U.S Patent US 10733215, issued Aug 4, 2020  
U.S Patent US 10296600, issued May 21, 2019

### Moniz, et al. *CONTEXTUAL VOICE USER INTERFACE*

U.S Patent US 10446147, issued Oct 15, 2019  
U.S Patent US 11594215, issued Feb 28, 2023

### Moniz, et al. *DEBUGGING OPTIMIZED CODE USING FAT BINARY*

U.S Patent US 10133652, issued Nov 20, 2018  
U.S Patent US 9940218, issued April 10, 2018