

# ALEXANDER SAFATLI

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## EXPERIENCE

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### BeyondTrust

Software Engineer

January 2017 – January 2018

Halifax, NS

- Maintained full stack cybersecurity software deployment panel packaged with software marketed to Fortune 100 companies. *Go, Angular, TypeScript.*
- Monitored services and managed tooling and devops for the team. *Jenkins, Docker.*

### Amazon

Software Development Engineer I

December 2015 – January 2017

Seattle, WA

- Touched, maintained, and real-time diagnosed many components of the website and microservice architecture underlying it (was on team focused on payment methods). *Java, C++, Perl, Ruby, Go, and Python.*
- Served on-call on a regular monthly basis to monitor and manage large demand web services and platforms. Dealt with high-severity issues a number of times that impacted millions of customers.

### watzan, LLC

Software Developer

June 2015 – December 2015

Seattle, WA

- Touched, maintained, and real-time diagnosed many components of the website and microservice architecture underlying it (was on team focused on payment methods). *Java, C++, Perl, Ruby, Go, and Python.*
- Served on-call on a regular monthly basis to monitor and manage large demand web services and platforms. Dealt with high-severity issues a number of times that impacted millions of customers.

## EDUCATION

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### Dalhousie University, Canada

June 2015, September 2019-2020

PhD in Computer Science (*incomplete*, fulfilled all coursework, partial thesis/seminar requirements) — 2019-2022

M.S.E. in Computer Science (GPA 4.3) — September 2015

B.S.E. in Computer Science (GPA 4.0, in-major) — May 2014

*Coursework.* Adv. Algorithms, Algorithms, Data Structures, NLP, Visual Analytics, OS, DBs, Software Engineering, Principles of Prog. Languages, Architecture, Cryptography, Discrete Math *et al.*

*Extracurricular.* Secretary of CS Graduate Society, CS Society

## TECHNICAL SKILLS

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**Languages** *Experienced.* Go, C, Python, C++, Java/Scala, C#. *Familiar.* Typescript, Dart, Ruby, Lua, Prolog, Swift.

**Frameworks** Angular, ASP.NET, Ruby on Rails, Flask, Vue, React, Flutter, Django, Mason, Tensorflow

**Databases** MySQL, PostgreSQL, Microsoft SQL, Mongo, Dynamo, Redis

**Tools** Git, SVN, Mercurial, Docker, L<sup>A</sup>T<sub>E</sub>X, Unix (ricing, GNU, etc.), AWS, bash, zsh, vim, emacs

## SELECT PROJECTS, PAPERS & AWARDS

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**Pylogeny (2016)** Framework for combinatorics in phylogeny. Peer-reviewed and published in *PeerJ. Python.*

**ABeRMuSA (2016)** CLI that performs multiple 3D protein structure alignment. *Python.*

**Undergraduate Student Research Award (NSERC) (2009, 2012, 2013)** Summer research internship placements.