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ALEXANDER SAFATLI

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EMPLOYMENT

Software Engineer	**BeyondTrust**	January 2017 — January 2018

- Maintained full stack cyber security software deployment suite packaged with software marketed to Fortune 100 companies. Javascript (Angular 2 and 3) and Go.
- Managed devops for deploying software assets to the team using Jenkins and Docker.

Software Dev. Engineer I	**Amazon**	December 2015 — January 2017

- Modified both backend and frontend components of the established e-commerce platform on the Payments team. Java with additional work in C++, Perl, Python, Ruby and Go.
- Served on-call every other week to monitor and react to high severity incidences for all owned services.

Software Developer	**watzan, LLC**	June 2015 — December 2015

- Maintained full stack recommendation application used by corporate clients and over 500 users.
- Served as a customer-facing representative for the team to design stories.

EDUCATION

Halifax, NS, Canada	**Dalhousie University**	Fall 2009 — Spring 2015, Fall 2020 — Summer 2023

- Doctor of Philosophy in Computer Science, *in-progress* 2020-2023. Fulfilled all coursework, partial thesis/seminar requirements. Was a Research Fellow and Teaching Assistant for multiple undegrad., grad. classes.
- Master of Computer Science, September 2015. Focus on combinatorics. GPA: 4.3
- Bachelor of Computer Science with Distinction, May 2014. In-Major GPA: 4.0
- *Graduate Coursework* — Adv. Algorithms, Visual Analytics, Data Structures, Natural Language Processing.
- *Undergraduate Coursework* — OS, Databases, Algorithms, Software Eng., Prog. Languages, Comp. Architecture, Cryptography, Linear Algebra, Calculus II, Physical Sciences.

SKILLS

Programming Languages

- *Experienced* — Python, C, Go, Java, Ruby, Lua.
- *Familiar* — C#, C++, Rust, Swift, Objective-C, Scala, Perl, Prolog, Haskell, Scheme, Matlab, R.

Tools and Methodologies

- *Tools* — MySQL, NoSQL, Apache, LaTeX, Git, SVN, most modern and many older frontend frameworks.
- *Methodologies* — Machine Learning (SVMs, Random Forests), Data Mining

PROJECTS AND AWARDS

- *Pylogeny* — Peer-reviewed and published Python framework for combinatorics in phylogeny.
- *Undergraduate Student Research Award* (NSERC) — summer research internships in 2009, 2012, 2013.