Ben Muschol - New Grad Software Engineer

http://benmus.ch

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EDUCATION

Northeastern University Boston, MA
Bachelor of Science in Computer Science; GPA: 3.64 *Sep. 2014 – Jun. 2019*

EXPERIENCE

Airbnb San Francisco, CA
Software Engineer *Aug 2019*
- Incoming Software Engineer

Northeastern University Boston, MA
Teaching Assistant - Web Development (CS4550) *Sep 2018 - Dec 2018*
- **Responsibilities**: Taught and graded web development work using Elixir, Phoenix, JavaScript and React

Amazon Seattle, WA
Software Development Engineer Intern *Jun 2018 - Aug 2018*
- **Front-End Development**: Developed front-end components for mobile and desktop retail application
- **Back-End Services**: Refactored back-end services to improve performance and usability
- **Technologies**: Java, JavaScript, Spring, jQuery, CSS

HubSpot Boston, MA
Software Engineering Co-op *Jan 2018 - Jun 2018*
- **Kafka Operations**: Maintained and automated operations tasks for Kafka clusters that serve 80 billion messages/second
- **Zookeeper Automation**: Developed applicaiton for automated management of Zookeeper clusters
- **GDPR**: Developed automation and APIs to manage persisted Kafka data for GDPR compliance
- **Load Testing**: Performed and analyzed load tests on the impacts of encrypted data
- **Technologies**: Java, Kafka, Zookeeper, MySQL, Puppet, Ansible

Codeship Boston, MA
Software Engineering Co-op *Jan 2017 - Aug 2017*
- **Front-End Development**: Developed new front-end, migrating from CoffeeScript and jQuery to Vue, ES6 and Jest
- **Perfomance Monitoring**: Optimized performance of web endpoints and database queries
- **Back-End Development**: Developed new features on Ruby-on-Rails application. Added a new notification management system and migrated 100k accounts to a more flexible schema
- **Build Tools**: Maintained Go- and Ruby-based CI build systems
- **Technologies**: Ruby/Rails, JavaScript/Vue, Jest, Go, Bash, Docker, Postgres

RetSKU New York, NY
Software Engineering Co-op *Jan 2016 - Aug 2016*
- **Web Application**: Integrated 3rd-party APIs into Ruby-on-Rails web application
- **Scraping**: Developed web crawlers to collect data from retail websites
- **Technologies**: Python, Scrapy, Ruby/Rails

PROJECTS

- **MIT-Tab**: Django-based application to tabulate debate tournaments. Used by 100s of debaters every week
- **MIT-Tab Deployer**: One-click deployments, back-ups, and invoicing of the MIT-Tab application.
- **Multi-Translator**: Serverless app + Vue front-end to run phrases through multiple languages in Google Translate
- **CourseOff RateMyProfessor**: Chrome extension + Express.js service to display RateMyProfessor in CourseOff
- **Hotdog or Not Hotdog as a Service**: API that uses machine learning to decide if images are a hotdog or not

PROGRAMMING SKILLS

- **Languages**: Python, Ruby, Java, JavaScript, Elixir, C, SQL, Bash
- **Frameworks**: Rails, Flask, Django, Vue, React, Express
- **Other Technologies**: AWS (S3, EC2, Lambda), Kafka, Zookeeper, Docker, Linux