

# MICHAEL STEWART

New York, NY

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## Conferences

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### HashiConf 2018 – Speaker

*Talk:* [A Consul Story: To 20,000 Nodes and Beyond](#)

### HashiConf 2017

*Training:* [Intermediate Vault](#)

### Kafka Summit 2017

*Training:* [Confluent Operations Training](#)

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## Professional Experience

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### Software Engineer, Bloomberg L.P.

June 2016

- Owned, developed, and deployed applications critical to company infrastructure
- Presented to 300+ in-person audience on HashiCorp Consul and internal technologies

Present

**Service Discovery** ~ Architected company-wide distributed service discovery layer based on HashiCorp Consul with distributed healthchecks.

**Access Management** ~ Architected generic scalable Identity and Access Management (IAM) system similar to common cloud-provider offerings.

**Leader Elections** ~ Distributed single-leader service backed by Apache ZooKeeper. Fixed multiple critical bugs with strict availability SLA.

**Apache Kafka** ~ Helped create shared Kafka clusters with integrated monitoring.

*Team:* Software Infrastructure — Systems Core // Bloomberg Managed Services

*Training:* Extensive C++ courses lead by internationally-recognized experts

### Summer Internship, Fog Creek Software

Summer 2015

Created, tested, and released multi-threaded stateful chatbot from prototype.

*Technologies:* [Go](#), [SQLite](#), [C#](#), [Slack Websocket \(RTM\) API](#), [FogBugz XML API](#)

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## Education

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### The Johns Hopkins University, Baltimore, Maryland

May 2016

Bachelor of Science in Computer Science — Minor in Mathematics

3.43 GPA

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## Technical Skills

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**Languages** ~ C, C++, Java, Go, Python, C#, Javascript, PHP, SQL, bash, ksh

**Technologies** ~ Unix, Git, DNS, dpkg, HTML, CSS, REST, OpenAPI, Amazon EC2, BOSH

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## Selected Courses

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### Operating Systems

Fall 2015

Projects in C in kernel and user-space in a multi-process environment.

### Compilers & Interpreters – Graduate Level

Spring 2015

Created recursive descent parser and compiler in Java with MIPS output.