

Aaron Julian Miller

Senior Software Engineer

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EDUCATION

MS **Georgia Institute of Technology**, Computer Science Atlanta, GA
Aug 2020 – present

BFA **The City College of New York (CUNY)**, Electronic Design & Multimedia New York, NY
Aug 2010 – May 2015

EXPERIENCE

Braze, Inc. New York, NY
Senior Platform Software Engineer I Aug 2025 – present
1 year 1 month

- Improved the fallback system for our tooling behind provisioning Kafka resources which sped up the time to ship Kafka resources to our fallback clusters.
- Deployed and maintained Kafka clusters both on-prem (AWS EC2) and in the cloud (WarpStream by Confluent) for the engineering organization.
- Modernized the legacy Kafka resource management system for managing Kafka topics and Kafka connectors which improved the Kafka resource management SDLC.
- Deployed and maintained Kafka Connect infrastructure in Kubernetes for the engineering organization.
- Improved observability by instrumenting and standardizing metrics for Kafka Connect.

Platform Software Engineer II Aug 2024 – Aug 2025
1 year 1 month

- Implemented drift detection for our Kafka resource management repo in order to ensure that Kafka resource configurations were up-to-date.
- Implemented a Python wrapper around an open source Kafka resource management tool (Jikkou) to make managing Kafka resources trivial as the company continued to scale.
- Migrated complementary Kafka services such as Confluent's Schema Registry from on-prem (AWS EC2) to Kubernetes for easier management.

Site Reliability Engineer I Nov 2022 – Aug 2024
1 year 10 months

- Implemented sensible defaults for our legacy Kafka resource management repo to make maintenance easier.
- Modernized our Kafka monitoring infrastructure by moving the Kafka connector restarter into its own service.
- Migrated our configuration management system from Chef to Ansible to make managing our Kafka infrastructure easier.

Better Holdco, Inc.**Senior Software Engineer**

- Maintained cloud infrastructure for the engineering organization.
- Built testing infrastructure to help teams perform automated accessibility, and performance testing.
- Retrofitted the code base with SonarQube to allow for continuous inspection of code quality.
- Introduced accessibility and contract testing tools in our CI/CD pipelines.
- Refactored our internal end-to-end testing framework to improve the developer experience.

New York, NY
Apr 2020 – Apr 2022
2 years 1 month

Squarespace, Inc.**Software Engineer**

- Developed and maintained our in-house, automated end-to-end testing infrastructure.
- Wrote and maintained Ansible playbooks to configure virtual machines across multiple data centers, which sped up deployments.
- Configured deployment pipelines for engineering teams.
- Integrated external tools into our testing infrastructure for cross-browser, cross-platform testing.
- Retrofitted the code base with SonarQube to allow for continuous inspection of code quality.

New York, NY
Mar 2018 – Apr 2020
2 years 2 months

Automation Engineer

- Automated manual processes for the QA team in order to redirect resources to higher-impact items.
- Refactored automated scripts to handle changes within the CMS platform which sped up the SDLC.
- Refactored our internal testing code base to be more readable, and maintainable.
- Collaborated with Site Reliability Engineering teams to help scale our automated testing infrastructure.

Mar 2017 – Mar 2018
1 year 1 month

SKILLS

Cloud Native/Containerization

- Docker, Helm, Kubernetes

Cloud Providers

- Amazon Web Services (AWS), Google Cloud Project (GCP), Microsoft Azure

Configuration Management

- Ansible, Chef, Terraform

Continuous Integration/Continuous Deployment (CI/CD)

- Bamboo, Buildkite, Drone CI, Jenkins

Programming Languages

- Bash, Golang, Python

Storage Systems/Streaming Systems

- AWS RDS, Kafka, MySQL, PostgreSQL, WarpStream by Confluent

Version Control Systems (VCS)

- Git