

Michael Nwani

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Skills

DevOps	CircleCI, Docker Compose, Terraform, AWS (API Gateway, Aurora, Cloudwatch, ECR, Fargate, Lambda, Kinesis, Kinesis Firehose, S3, SQS, RDS, ElasticSearch, ElastiCache, Route 53, Secrets Manager), Sentry, Sumo Logic, Flyway, Locust
Backend & Tools	Ruby, Rails (Sidekiq), Scala (Akka HTTP/Streams, Doobie JDBC Layer, Cats, sbt), Java, Python, Swagger, MongoDB
Frontend	Vue, Express, Sass
Mobile	Kotlin, Swift, Gradle, Retrofit, MVVM, Dependency injection

Experience

Stash

New York, NY

Engineer III

June 2018 - Apr. 2019

- Architected a Scala service that powers a cash back reward program, which increased ARPU. Created the CI/CD pipeline with CircleCI, Terraform, and Flyway for database migrations. Integrated the Python Locust framework for load testing, Sentry for error tracking, and Sumo Logic/AWS Cloudwatch for logging. Bridged multiple AWS services in order to properly integrate with a 3rd party rewards provider, and to dispense funds to users: AWS API Gateway, Lambda, Kinesis, Kinesis Firehose, S3.
- Architected a Scala microservice dependency to interact with the Braze Messaging API on behalf of numerous services. Utilized AWS SQS and Akka Streams for message funneling and throttling.

Rent the Runway

New York, NY

Software Engineer II

Apr. 2017 - Mar. 2018

- Lead engineer on custom Dropwizard (Java) shipping system. Includes address validation via UPS Connectship, custom label generating, and package rating via UPS, FedEx, Doorman, Deliv, TForce, Breakaway with a deterministic shipping method outcome.
- Implemented inventory tracking and resolution system used by warehouse staff to trace \$1M+/yr in lost inventory.

Software Engineer I

Dec. 2015 - Apr. 2017

- Delivered Unit Priority Blue (a deterministic order fulfillment algorithm), which led to a reduction in average unfulfillable order volume by roughly 10%, and savings of \$1.25 in COGS per shipment.
- Implemented Ansible automation software into proprietary Ruby software being migrated to pristine private cloud servers, enabling the shutting down of public cloud servers and savings of roughly \$20,800/mo.
- Integrated Doorman (a same day courier service) into proprietary shipping system. Also improved the system's outbound carrier decision flow logic, resulting in improved customer satisfaction and savings of \$1.50 in COGS per courier shipment.
- Integrated enterprise warehouse automation software (provided by Reddwerks) with proprietary warehouse order fulfillment software via AMQP messaging.

Projects

Cheddah

Co-Founder & Developer

Feb. 2017 - June 2019

- Deployed an iOS (Swift 4/5) and Android (Java rewritten to Kotlin) app. Created importable CocoaPod and Android (Maven) library versions of the app.
- Deployed Rails servers to AWS Fargate to power the apps. Utilized Twilio API for SMS text messaging and user validation.
- Facilitated member rewards for First Coast YMCA (FCYMCA).

Education

Northeastern University

Boston, MA

B.S. in Computer Science and Engineering

Sep. 2010 - May 2015

GPA: 3.3/4.0