Michael Nwani

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Technical Skills

- **Languages**: Java, Swift, Ruby, JavaScript, Bash, Python
- **Databases**: MySQL, PostgreSQL, MongoDB
- **Frameworks/Libraries**: Dropwizard (Jetty, Jersey, Jackson), JDBI, Hibernate, Ruby on Rails, jQuery, Sinatra, Android, Ansible, Sidekiq, UPS Developer Kit, ConnectShip, FedEx Web Services, SnapKit, Google Maps for iOS, Google Roads/Directions/Places APIs
- **Tools**: JIRA, Jenkins, RabbitMQ, Redis, Git, Git Flow, Cron, Splunk, New Relic, CocoaPods, Gradle, Maven, Heroku, AWS S3, BeautifulSoup, Scrapy

Experience

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, an algorithmically complex two-person project with Chief Analytics Officer visibility, which led to an automatic 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 an annualized $1.50 cost reduction per courier shipment.
- Cross-team collaborated to integrate enterprise warehouse automation software (provided by Reddwerks) with proprietary warehouse order fulfillment software via AMQP messaging. Project scope had VP, SVP and Chief Logistics Officer visibility.

IBM   *Littleton, MA*
Software Engineering Intern   *July 2014 - Dec. 2014*

- Architected Java integration test framework across SmartCloud Notes (SCN) platform, which was given to superiors that will continue to develop it. The framework will be used to replace Selenium for back-end testing and drastically reduce the failure rate of 25% of all test cases that occur on the SmartCloud Notes platform.
- Designed synchronization of Selenium UI tests to IBM Domino API server-side tests, probability calculation using machine learning with CouchDB, and server status checking.
- Assisted Product Management Team with maintaining consistency between SCN Software Problem Report db, Prioritization db and IBM Connections Ideation group.

PHT (acquired by ERT Clinical)   *Boston, MA*
Software Engineering Intern   *Jan. 2013 - June 2013*

- Generated LogPad medical device testing data by building Python scripts using pre-designed templates.
- Applied software builds to LogPads/SitePads, tested and validated the software, and prepared data summaries.

Technical Projects

Cheddah

Co-Founder & Developer   *Feb. 2017 - Present*

- Deployed Swift 4 app to App Store, and developed a standalone (importable) CocoaPod version of the app. Implements SnapKit pod for Auto Layout constraints management.
- Deployed Android app to Google Play Store, and developed a standalone Android library (Maven) dependency version of the app using Gradle with Groovy.
- Deployed Ruby on Rails server app to Heroku. Implemented Coffeescript with jQuery for front-end user interactivity, Sidekiq with Redis for background job processing, PostgreSQL for database modeling, Amazon S3 with Carrierwave for assets management, and Twilio API for SMS text messaging.

GoSlow

Co-Founder & Developer   *Feb. 2018 - Present*

- Deployed Ruby on Rails server app to Heroku and implemented PostgreSQL for database modeling.
- Developing Swift 4 app. Implemented GoogleMaps for iOS (pod) and Google Roads, Distance, and Places APIs for GPS navigation in Nigeria.

Education

Northeastern University   *Boston, MA*

B.S. in Computer Science and Engineering   *Sep. 2010 - May 2015*

GPA: 3.3/4.0