

MIKEY GULATI

Software Engineer with diverse experience in test automation, full-stack development, and DevOps. Proficient in multiple programming languages and technologies with 3 years of experience in the fintech industry.

CONTACT INFORMATION

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SKILLS

Languages: TypeScript | JavaScript | Python | Java | C++ | Bash | HTML | CSS | SQL
Testing Frameworks: Cypress | Selenium | Jest | Mocha | Pact | Cucumber | PyTest
Tools & Technologies: Docker | Git | GitLab CI | NestJS | Node.js | NX | Angular | React | Ansible | Postman
Databases: MongoDB | Redis | Memcached | PostgreSQL
Agile: Scrum | Kanban | Jira
Certifications: AWS Certified Cloud Practitioner

WORK EXPERIENCE

Software Engineer in Test | Haven Technologies, New York | 11/2021 – 06/2023

- Achieved **66%** and **40%** reductions in pipeline execution time for test automation runs across **2** major platforms.
- Developed a tool to detect table property mismatches that **prevented 3 RC fixes** during a database decoupling effort.
- Optimized sprint velocity by **11%** via effective code reviews, minimizing QA feedback cycles from rework instances.
- Overhauled the testing infrastructure for Haven's SaaS platform by creating **Docker** images for **end-to-end automation** and scalable test reporting within the **NX** mono-repository, facilitating a newly built SaaS-based **CI/CD** process.
- Led organization-wide shift from Protractor to **Cypress** for reliable, maintainable **end-to-end testing** of direct-to-consumer insurance applications.

Automation Engineer | FlexTrade Systems, New York | 10/2020 – 11/2021

- Engineered a **Python** automation framework that reduced test development time by **30%** for OMS & EMS applications.
- Managed and generated automation reports for **120+** functional test cases for **2** major clients during regression cycles.
- Achieved **33%** reduction in test flakiness via developing **C++** scripts that facilitated trading automation natively.

Full Stack Engineer Intern | Nomura Securities, New York | 06/2019 – 08/2019

- Piloted intern **DevOps** team into successfully implementing automated **BDD** testing using **Selenium** and **Cucumber** for Nomura's internal auditing service.
- Developed an **Angular** application to visualize a business continuity plan, leveraging Nomura's existing **Spring** backend.

Software Engineer Intern | IBM, New York | 05/2018 – 08/2018

- Integrated **Twilio** SMS solution with IBM's DLaaS (**Deep Learning as a Service**) API, enabling real-time text notifications upon training completion.
- Increased AI training model output by implementing a **Python** automation solution that executed batch DLaaS requests.

EDUCATION

Bachelor of Science in Computer Science | SUNY Stony Brook University, New York | 08/2016 – 12/2019

- GPA:** 3.71 / 4.00 (Magna Cum Laude)
- Honors:** Dean's List, Presidential Scholarship Recipient

PROJECTS

[igee](#)

A web application that reads and analyzes user-uploaded Instagram conversations, responding with valuable message statistics, charts, and user behaviors. Built using **TypeScript**, **React**, **Node.js**, **Nivo**, and **Material UI**.

[tnnl](#)

A covert command-and-control server that exfiltrates data from infected clients via network packet monitoring and modification. Responsible for ensuring orderly packet arrival and completeness of server-requested data during client processing of multiple commands. Built using **Python**.