

MANKIRAT GULATI

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WORK EXPERIENCE

Automation Engineer

Nov 2021 – Jun 2023

Haven Technologies

New York, NY

- Achieved **66%** and **40%** reductions in pipeline execution time for E2E automation test runs across **2** key platforms.
- Developed a database comparison tool to detect table property mismatches during a DB decoupling effort, effectively preventing **3** release candidate (RC) fixes.
- Established precise code coverage by migrating the unit test framework for a **20+** project monorepo, involving audits and updates to many test files and configurations.
- Pioneered an organization-wide shift from Protractor to Cypress, establishing a reliable and maintainable automation repository for E2E testing of direct-to-consumer applications.
- Managed and maintained **40+** automated test cases, consistently meeting **2-day** regression testing deadlines.

Automation Engineer

Oct 2020 – Nov 2021

FlexTrade Systems

New York, NY

- Engineered a reusable internal automation system, empowering QAs to efficiently create automated test cases for client trading software.
- Managed and generated automation reports for **120+** functional test cases for **2** major clients during regression cycles.

Full-Stack Developer Intern

Jun 2019 – Aug 2019

Nomura Securities

New York, NY

- Piloted intern DevOps team into successfully implementing automated BDD testing for Nomura's audit application.
- Developed a responsive business continuity plan frontend application that leveraged Nomura's existing backend.

Web Security Research Assistant

Jan 2019 – May 2019

Stony Brook University

Stony Brook, NY

- Conducted in-depth security research on domain drop-catching and residual trust transferal, exploring potential vulnerabilities and mitigations.
- Developed a user-friendly Chrome extension that proactively alerts users to potential domain ownership changes during their website visits, enhancing their security awareness and protecting against fraudulent activities.

Software Developer Intern

May 2018 – Aug 2018

IBM

New York, NY

- Configured 3rd party integrations with IBM's DLaaS (Deep Learning as a Service) API, enabling real-time text notifications upon training completion.
- Implemented batch execution of DLaaS requests serviced via IBM's Watson Studio platform, increasing model throughput.

EDUCATION

SUNY Stony Brook University

Aug 2016 – Dec 2019

B.S. in Computer Science

Stony Brook, NY

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

SKILLS

Languages

TypeScript | Python | Java | Bash | HTML | CSS | SQL

Testing Frameworks

Cypress | PactJS | Jest | Selenium | Cucumber

DevOps and CI/CD

Docker | Gitlab CI | Ansible

Development Tools

Git | NX | Postman

Backend Frameworks

NestJS | Node.js

Agile

Scrum | Kanban | Jira

Certifications

AWS Certified Cloud Practitioner | Docker Training Course for the Absolute Beginner