

# Vincent Falcone

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## OVERVIEW

- Over 18 years in Software Development.
- Test/automation lead for 8+ years of career.
- Manager for 2 years of career.
- Management and ScrumMaster trained.
- Experience with multiple languages and test frameworks.
- Developed and contributed to API services.
- Developed automation frameworks from scratch.
- Created and instituted QA practices for organizations.

## EXPERIENCE

### Fanatics Betting & Gaming, Remote

Current Title: *Staff Engineer, Test*

March 2023 - Present

- Developed a service for internal use to decrease the need for employees to have to navigate multiple platforms to perform tasks.
  - Saved ~100+ employee hours monthly by developing an internal Python (FastAPI) microservice with a unified API for cross-service actions.
  - Processed 5K+ monthly requests for ~100 internal users and automation workflows in non-production environments.
  - Deployed and managed the service in AWS using Kubernetes, ensuring scalability and reliability.
  - Integrated with Amazon Cognito for OAuth2 authentication, enhancing access control and security.
  - Designed a dynamic, auto-generated UI for API requests, improving usability and reducing barriers to entry.
- Developed a python library that acts as a state machine for the playing of casino games in both web and mobile applications.
  - Built a Python library serving as a state machine to automate casino gameplay across web and mobile platforms.
  - Enabled definition of reusable game states, images, and custom scenarios to support flexible test automation without new code for each game.
  - Implemented dynamic image scaling to ensure cross-device compatibility with a single image set.
  - Accelerated automation of new games, significantly reducing development time and maintenance effort.
- Developed an automation framework for the use of performing regression testing on the web casino application.
  - Developed a Python-based regression testing framework using Selene and Pytest, deployed via Testkube as the automated test executor.
  - Automated gameplay for multiple casino titles
  - Contributed to the discovery of several release-blocking issues prior to production.
- Contributed to and optimized the organization's Java-based API automation framework built with RestAssured, improving reliability and maintainability.
  - Streamlined test structure and utilities, reducing redundant code and accelerating test creation for multiple development and QE teams.
  - Implemented best practices for API validation, data handling, and reusable components to standardize automation efforts.
  - The framework is now leveraged organization-wide by multiple development teams and the QE team,

driving consistency and faster feedback during CI/CD pipelines.

- Led the transition from a pure Scrum process to a hybrid Scrum–Kanban model, increasing flexibility and promoting team member fungibility across projects.
- Continuously identified and implemented enhancements to improve automation reliability, visibility, and maintainability across testing frameworks.
- Fostered a culture of collaboration and adaptability, enabling the team to respond more effectively to shifting priorities and workload demands.

## Ring/Amazon, Remote

### *Software Development Engineer in Test*

December 2021 - Present

- Developed an automation framework (Python/Pytest) to be used in testing Ring's alarm hubs.
- Test automation connects with SSH to hubs and performs commands to validate functionality.
- Framework is executed in Jenkins across multiple alarm hubs.
- Framework is written with tools to make it easy to use and easy to develop against.
  - Leveraged Flake8, Pylint, Black, Pre-commit, Poetry and Make.
- Developed a Python package of shared SSH functionality to be used across multiple teams for the development of test automation.

## Pie Insurance, Remote

### *Senior Software Development Engineer in Test*

March 2021 - December 2021

Acted as an SDET on squads, contributor to the SDET team, and provided mentorship to fellow SDETs.

- Led automation efforts for new features being implemented by my "squad".
- Worked with a python automation framework leveraging Pytest, AWS, MongoDB, and PostgreSQL
- Contributed to the existing automation framework by introducing new functionality (implementing models) and new tests.
- Helped reduce the barrier of entry for contributing to the framework.
- Cut the execution time of our test suites in half by identifying and refactoring areas of high execution time.
- Created and performed automated testing to satisfy the needs of the squads.
- Participated in discussions around testing strategy and the future of the automation frameworks.
- Helped onboard new SDETs and provided technical assistance to fellow SDETs when needed.

## ShiftLeft, Remote

### *Lead QA Engineer*

July 2020 - February 2021

- Led the testing efforts of new releases, growing the automation testing framework, and provided input on product features.
- Grew the automation framework (Python, Selenium) and made it more robust and durable. The framework has contributed to the discovery of multiple defects that were introduced to applications.
- Performed planning and execution of testing for new features.
- Provided feedback to product managers and developers around the idealization and implementation of new features and defect fixes.

## AWeber, Chalfont, PA

Last Title: *Integrations Team Manager*

March 2016 - July 2020

Managed a team of 5 on-site software and operations engineers in developing our public facing API and 3rd party integrations.

- Provide thought leadership and planning guidance for projects. Including:
  - Implementing OAuth2 authentication for our public API.
  - Implementing webhooks for external developers to ingest.
- Performed weekly 1-on-1 meetings, quarterly reviews, and development plans for each member of the team.
- Worked with product managers to prioritize the work of the team.
- Helped remove impediments to the team by communicating with other teams.
- On-boarded off-shore resources to the team as needed.
- Performed development work for our Python REST services and front-end applications.
  - Developed new services and endpoints for external developers to leverage in building their integrations.
  - Updated our front-end developer website to provide a better user experience for our external developers
- Continued to build and maintain our QA automation suites/jobs in Python/Behave.
- Was the ScrumMaster for the team; leading team planning, grooming, retrospective, and SUM ceremonies.
- Was on the Incident Commander team and oversaw the triaging, fixing, and retrospective of software outages.
- Exposure to Docker, GitHub, GitLab, Kubernetes, RunDeck.
- Developed three automation frameworks with python:
  - Robot Framework using Jenkins as the test runner.
  - Behave with a custom selenium library that runs with GitLab
  - Behave for our API acceptance tests using GitLab as the runner.
- Reduced the friction of developers utilizing automated acceptance tests and integrated it as part of a developer's process.
- Helped institute processes for QA engineers to follow across the engineering department.
- Performed automation development and manual/exploratory testing.
- Performed testing across multiple browsers either locally or through a 3rd party such as BrowserStack and SauceLabs.
- Acted as the unofficial lead of the QA team by conducting bi-weekly team meetings and organizing a QA roadmap.
- Mentored developers and QA engineers in automation and testing principles.
- Defined the agile process being used by the teams.
- Led team planning, grooming, retrospective, and SUM ceremonies.

*\*Additional experiences can be found on my LinkedIn profile.*

## EDUCATION

### **Villanova University, Villanova, PA — *B.S. in Computer Engineering***

August 2002 – May 2006

## SKILLS & TOOLS

### **Languages**

Python, JavaScript, SQL, Java, Ruby

### **Automation Tools**

Behave, Jenkins, Pytest, Robot Framework, Selenium

### **Databases**

Microsoft SQL Server, MongoDB, Oracle, PostgreSQL

### **Skills**

Management, ScrumMaster, BDD, TDD, Gherkin, Jira

## AWARDS

### **AWeber Awesome Award (Employee of the Month) — April 2017**

Selected by leadership at AWeber as the employee that upheld the core values of the company for the month of April 2017. Award was given due to my contributions to the engineering team in promoting QA practices and providing valuable assistance to my team.

### **AWeber Annual Awesome Award (Employee of the Year) — 2017**

Selected by leadership at AWeber as the employee that upheld the core values of the company for the year of 2017. Award was given due to my contributions to the engineering team in promoting QA practices and providing valuable assistance to the organization as a whole.