

Michael Holodak

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Relevant Experience

Transact Campus Inc. (Formerly MM Hayes), Menands, NY

October 2022 - Present

QA Automation Engineer

- Spearhead end-to-end automation testing efforts for a dynamic point of sales web application, as well as iOS and Android applications, utilizing Selenium WebDriver and Appium automation tools.
- Manage and maintain automation test code in a Java-based project utilizing TestNG's testing framework and Maven's project management while adopting the highly effective Page Object Model design strategy to ensure robust test coverage and streamlined test execution.
- Demonstrate a proactive approach by conducting daily/weekly smoke testing as well as running more extensive automation test suites to identify critical issues early in the development cycle in an effort to move toward a continuous integration and continuous delivery workflow
- Assume a pivotal role in the comprehensive testing process by executing test suites, including automated regression tests, across all application platforms, ensuring the utmost quality and stability before production releases.
- Play an integral part in manual feature and functional testing, collaborating with cross-functional teams to validate and enhance the application's usability and overall user experience.
- Thoroughly document defects and bugs uncovered during both automated and manual testing phases using Jira, facilitating efficient communication and issue resolution.
- Actively participate in biweekly Sprint planning meetings, offering valuable insights and contributing to the agile development process.

Wink Labs Inc., Schenectady, NY

December 2014 - October 2022

Lead Quality Assurance Engineer

(December 2020 - October 2022)

- Led and directed the Quality Assurance team for an innovative home automation company, ensuring the highest level of product quality. Orchestrated testing efforts across a diverse range of platforms and technologies, including native Android and iOS apps, back-end RESTful API services, embedded firmware, a front-end website, and third-party hardware.
- Oversaw all aspects of testing, including smoke testing and comprehensive regression testing, guaranteeing seamless user experiences during the distribution of new releases across staging and production environments. Maintained meticulous documentation of QA processes and procedures to ensure streamlined operations.
- Proficiently managed bug reports filed by the QA team, closely monitoring company-wide initiatives using prominent project management tools such as Trello and Jira.
- Leveraged Ruby scripting and Appium to develop and execute automated tests, validating the features and functionality of iOS and Android applications.
- Developed and implemented software solutions to optimize testing speed, efficiency, and accuracy for the QA team.
- Successfully deployed minor software updates for embedded firmware, utilizing VirtualBox to locally build images and transfer them onto Wink's PCB hardware for thorough testing. Assumed responsibility for the deployment and rollout schedule of all publicly released embedded firmware.
- Conducted meticulous testing of Staging and Production APIs by leveraging the power of Postman, making HTTP requests to ensure the integrity and functionality of critical backend services.
- Collaborated closely with other engineering department heads to align project initiatives and coordinate release schedules, fostering efficient cross-functional communication and ensuring timely delivery of high-quality products
- Actively engaged with counterparts from other smart-home companies during the integration of third-party hardware and software into the Wink ecosystem, ensuring seamless compatibility with Wink's offerings.

Quality Assurance Engineer

(February 2018 - December 2020)

- Co-lead an initiative, migrating the Wink platform from a free-to-use to a monthly subscription plan. This involved extensive QA surrounding an entirely new Ecommerce frontend and a new internal backend service used for processing new subscriptions and monthly payments
- Developed and executed test plans for new device and service integrations leveraging the TestRail software. Designed and organized comprehensive test plans used during thorough regression testing preceding all production releases, ensuring top-notch product quality.

- Maintained a pivotal internal backend microservice essential for assigning specific attributes to all devices and device types utilized on the Wink platform.
- Coordinated comprehensive testing of voice assistant integration, encompassing major players such as Amazon Alexa and Google Home. Facilitated occasional virtual meetings with Google and Amazon representatives to align integration strategies and ensure optimal compatibility between the Wink platform and these leading voice assistants.
- Designed and constructed custom test equipment tailored to the unique needs of testing new hardware components such as smart light switches, dimmers, thermostats, and door/window sensors.

Quality Assurance Tester

(January 2017 - February 2018)

- Frequently executed various test plans to identify and diagnose intermittent issues and defects with the iOS and Android apps as well as the backend services and embedded firmware
- Took part in manual smoke testing and regression testing when new user-facing releases were set to be distributed
- Collaborated with members of the Customer Support team to reproduce bugs and issues experienced by users
- Effectively utilized Trello to streamline the organization and tracking of ongoing issues and their corresponding fixes

Lead Technical Specialist

(April 2016 - January 2017)

- Was responsible for maintaining and updating technical information to all Customer Support staff. This included updating the internal Help Center, knowledge databases and other information distribution tools
- Coordinated with development teams on new release change announcements
- Assisted QA team in tracking and monitoring emerging issues and compiling data for development teams
- Managed the distribution of API credentials requested by third-party developers and home automation enthusiasts

Senior Technical Specialist

(December 2014 - April 2016)

- Offered technical support via phone, email and chat to users of the Wink platform and ecosystem
- Troubleshoot technical issues with users' devices, applications and user interfaces. This involved occasional wifi network configuration that required changes to users' wireless routers
- Identified and reported new bugs to Lead Technical Specialists

Education

University of Vermont, Burlington, VT

August 2010 - May 2014

- B.S. in Mechanical Engineering

Technical Skills

- Programming: Java, JavaScript, Ruby, SQL
- SDLC Methodologies: Agile and Waterfall
- Automation Frameworks: Selenium WebDriver, Appium
- Testing Frameworks/Project Management: TestNG, Maven
- Testing Tools: Postman, Charles Web Debugging Proxy, Sumo Logic, Kibana, WireShark, Microsoft SQL Server
- Test Reporting: TestRail, Xray, TestNG
- BugDefect Reporting: Jira, Trello
- Version control: Git, GitHub, Bitbucket
- Design and Analysis tools: SolidWorks, Autodesk Fusion 360, MATLAB