NICHOLAS SMITH

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- 5.5 years professional development experience

- Developed and implemented development tools and processes in a continuous integration agile environment to speed up the release process and ensure code is high quality.

SKILLS

Deployment	AWS, Docker, CloudFormation, CircleCi, Quay.io, AWS Lambda
Languages	Typescript, Javascript, Python, Bash
Security	SOC 1/SOC 2 Audits, OWASP, Penetration Testing (ZapProxy/Burpsuite)
Process/Version Control	Git, Jira, Confluence
Monitoring	CloudWatch, AWS Log Streams, Sumo Logic, AWS Athena

WORK HISTORY

07.2017 - PRESENT

HONEST BUILDINGS – NEW YORK, NY
Lead Site Reliability Engineer

- Maintained and developed build and deployment toolchains using AWS ECS tooling and Docker containers as artifacts.

- Created and maintained CloudFormation templates to codify the infrastructure, allowing for trackable change management and DiRT (Disaster Recovery Tests)

- Provided technical policies, security trainings, and implemented many technical/non technical security measures in order to pass SOC 1/ SOC 2 audits.

- Practiced chaos engineering in order to test system reliability. Ensured all of our servers are like cattle, can be terminated and a new server spins up in its place without manual intervention, making the system self healing.

- Ported over services that were running on servers into AWS Api Gateway + AWS Lambda. Increasing reliability of services, decreasing costs, and speeding up the deployment process for those services.

01.2016 – 07.2017

HONEST BUILDINGS – NEW YORK, NY
Lead Software Developer In Test

- Developed an integration testing framework with Mocha and NodeJS, capable of running over 5,000 tests in parallel batches directly against our API, ensuring quality and preventing deadlocks and race conditions.

- Created regression suites capable of creating test fixtures via our api, then opening Selenium browsers to test the end user experience, allowing for complete end to end confidence in our systems.

- Designed and implemented a release management tool that integrates with our various tools (Github, Asana, CircleCI) that automatically monitors and alerts us what steps are necessary to release code, decreasing the administrative burden and speeding up the Software Development Life Cycle.

- Managed QA resources, establishing standards, processes, and creating a Quality Goals Roadmap, providing leadership and direction for the overall company QA process.

01.2015 – 12.2015   **ITA GROUP – DES MOINES, IA**
Software Quality Assurance Analyst

- Wrote and "Wired Up" integration tests using Specflow, SpecAid, and Gherkin, creating BA readable test case scenarios.

- Extended current C# unit test coverage using Moq and AutoMoqer, allowing for very fast and robust code coverage tests

- Used BurpSuite to crawl webpages and test against different vulnerabilities, providing more confidence to client and stake holders that applications are secure.

- Committed code via Git to continuous integration repo that Jenkins monitors, allowing real-time feedback to developers upon pushing their code.

02.2014 – 01.2015   **XPANXION – AMES, IA**
Software Development Engineer In Test

- Developed automated tests using C#, Coypu, Selenium, CSS, XPath for client's internal and client facing webpages, enabling a smooth user experience through "Happy Paths"

- Designed and committed new implementations for our internal automation framework using AnkSVN and TortoiseSVN subversion tools, extending the functionality of the custom automation core.

- Collaborated with manual testers and developers during agile scrum sprints, to insure on-time delivery of feature regression tests.

04.2013 – 02.2014   **KMJ PERFORMANCE – STORY CITY, IA**
Software Developer

- Transitioned the company website from the e-commerce platform X-Cart to Magento, allowing a more custom tailored shopping experience for end users.

- Created an internal PHP based returns program which tied in with our customer data , streamlining the returning process.

- Developed custom bulk editing tools for product line managers using Python, Tkinter , allowing bulk processes to be handled in a matter of seconds not days.

EDUCATION

2008 – 2012   **IOWA STATE UNIVERSITY**
Bachelor Of Liberal Studies