Nicholas Stecyna

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Technical Skills

Languages: Python, Java, SQL (Oracle / MySQL), Golang, Typescript, C#, C++, C, Javascript, HTML, M

Software and Tools: FIX Protocol, TestNG, Kafka, Jenkins, Pandas, Storm UI, AutoSys, Microsoft Azure, Docker, Kubernetes, Microsoft SQL Servers, Postman, Wireshark, Cobalt Strike, Metasploit, Jira, Git, Linux, Windows, MacOS

Professional Experience

QA Automation Developer   New York, NY, **July 2023-July 2025**
Bank of America

- Developed and maintained robust Java TestNG frameworks which support 5,000+ automated regression test cases for FINRA regulatory compliance reporting (Rule 606/605, Electronic Blue Sheets, CAT 2D/2E)
- Built automation scripts for validating and analyzing regulatory data across disparate data feeds in Oracle SQL
- Acted as primary liaison for issues related to Rule 606, Rule 605, and EBS reporting—translating technical findings to business stakeholders and supporting legal teams with FINRA inquiries
- Wrote intricate Oracle SQL queries to diagnose reporting issues impacting millions of financial transactions
- Designed a Python tool to compare Rule 606 reporting outputs, enhancing data accuracy and auditing efficiency
- Led the successful retirement of a legacy data feed, streamlining processes and saving hundreds of hours in manual effort
- Mentored junior team members, onboarding them in compliance tooling and best communication practices

Nebula Team Software Engineer   Verona, WI, **August 2021-June 2022**
Epic Systems Inc.

- Developed cloud computing solutions for multiple healthcare application teams to increase speed, storage, and efficiency by establishing SaaS microservices using Microsoft Azure Kubernetes Services
- Designed and developed an internal cloud storage service API client using Golang to allow external tools to access Azure blob storage
- Implemented cloud storage support for an internal command line interface using the Golang Cobra library to allow users to interact with Azure blob storage from their command line
- Automated email notifications by using new SQL database stored procedures in HTML, Typescript, and C# in order to update customers and staff about ongoing application issues
- Solved production deployment issues by facilitating a cross-team root cause analysis, identifying current and future issues, and managing implementation of fixes to improve stability of production deployment processes
- Proposed and created a new testing environment for an external team's website using SQL database schema rollouts to allow testing of future code deployments

Advanced Course In Engineering (ACE) Program Graduate Assistant   Rome, NY, **November 2019-August 2020**
Assured Information Security / Air Force Research Lab

- Restructured an intensive cybersecurity summer bootcamp to run offline between the United States and the United Kingdom
- Conducted a simulated cyber war between three teams through a contested network over ten weeks to foster leadership and cybersecurity experience
- Mentored 29 interns for 7 weeks through online communication to coach technical and leadership skills
- Constructed a virtual battlespace network and hackable network enclaves for interns to traverse and practice offensive and defensive cybersecurity techniques

ACE Program Cybersecurity Intern   Rome, NY, **May 2019-August 2019**
Assured Information Security / Air Force Research Lab

- Conducted research and developed offensive hacking tools for the NSA
- Wrote 10+ technical papers outlining solutions to cybersecurity challenges and presented to management and peers
- Collaborated with teammates in a simulated cyber war to develop simulation vehicle tools and conduct cyber attacks

Residential Computer Consultant   Binghamton, NY, **August 2018-May 2021**
Binghamton Information Technology Services

- Addressed problems and questions relating to technology including phones, laptops, and the campus Wi-Fi network for a building of 200+ students on campus
- Communicated with clients and team members to solve problems and provide assistance

Projects

Inventory Editor   Binghamton, NY, **April 2018-June 2018**

- Developed a command line interface tool to help search, edit, and inventory Microsoft Excel worksheets by using openpyxl to format them into Python objects

Education

Binghamton University, State University of New York   **May 2021**
Bachelor of Science, Computer Science
   Watson College of Engineering, Dean's List: Fall 2018 – Spring 2021

Organizations & Awards

Boy Scout Troop 31, Eagle Scout   **Ramsey, NJ, January 2017-Present**
Phi Eta Sigma Freshman Honor Society, Member   **Binghamton, NY, September 2018-Present**
Microsoft Certified: Azure Fundamentals   **September 2022**