THOMAS TAYLOR

PERSONAL PROFILE

I am a Project Engineer with holistic knowledge of system automation and reliability engineering in distributed enterprise environments. I am passionate about technology, programming and learning new things about DevOps.

CONTACT ME AT

✉ tommynov@vt.edu

💻 Personal Website

in @tbtaylor100

○ @tommynov1000

TECHNICAL PROFICIENCIES

Operating Systems
- Windows Server 2008-2016
- AIX
- Linux/Unix

Web Technologies
- Selenium
- RESTful APIs

Languages
- Python 3
- UiPath
- Java
- Bash
- CSS
- Perl
- XML
- HTML
- VB.Net

Enterprise Products
- ServiceNow
- MS SQL
- DB2
- MS Office Suite
- DOM
- e-SPS
- GTN
- OMS Sterling

ACHIEVEMENTS

- Rated within the top 5% of employees in 2021.
- Awarded Star Employee for Q2 and Q3 2020.
- Successful migration and integration of 9 production windows servers and 3 production databases.
- Successful implementation of over 90+ new processes and workflows

EDUCATION

Bachelor of Science in Nanoscience
Virginia Polytechnic Institute and State University
July 2019

WORK EXPERIENCE

Lead IT Project Engineer
Wipro, LTD. | July 2019 - present

- Worked directly with customers in a technical role.
- Created test cases and scenarios in enterprise applications for new project implementations
- Contributed to the KEDB by creating and modifying documents for internal and customer-facing users.
- Managed and allocated team members towards several projects or requests based on priority.
- Managed and supported 3 globally available, troubleshooting issues across network, load-balancing and distributed system layers, increasing overall reliability as high as 36%.
- Acquired the role of SME and system lead over 3 applications (e-SPS, DOM, GTN), providing guidance and expertise on 6 multi-million dollar projects.
- Designed and developed 9 scripts using RESTful APIs, Selenium and RDBMSs for performance monitoring and data integrity purposes, increasing reliability by 95% (Python).
- Developed and tested 30+ interfaces and processes from end-to-end based on project and software development life cycles (Perl, Python).
- Built and maintained over 50 RPA workflows for process automation, monitoring and optimization, reducing overall manual labor time by 92% (UiPath, VB .NET).
- Automated smoke testing of 2 web-based applications by implementing Selenium and RPA (Python, UiPath).

Research Assistant
Emori Research Group | May 2019 - July 2019

- Engineered a programmable temperature controller capable of reaching and maintaining temperatures over 100 °C, which was integrated into an existing Ferromagnetic Resonance (FMR) spectrometer.
- Programmed a UI designed to create a readable interface and tunable temperature for the end-user.
- Used AutoCAD Inventor to help fabricate 3D printable electrical housing and copper heat pipes for proper heat transfer and insulation.
- Developed an electrical circuit for the temperature controller in AutoCAD electrical.

Restaurant and Arcade Manager
Frank Theatres Cinebowl & Grille | Nov. 2017 - Nov 2018

- Designed and implemented a new training course to optimize the quality of trained employees.
- Created detailed reports on weekly, monthly, and annual revenues, costs and par predictions.
- Maintained the condition of POS systems, printers, company desktops and networking equipment.

PROJECTS

Airplane Deal Finder | Github
Script developed in Python capable of making requests to a RESTful API. These requests check the price over the next 6 months and will send a notification will be sent to the user via email if the price falls below a certain price. The script is scheduled daily on a windows server 2016 VM, which is virtualized using Proxmox on a home server.

Spotify Time Machine | Github
A python script capable of web scrapping the top 100 songs on a day provided by the user. With these songs, the script will use the Spotipy API to create a new album and add the songs to the album.

Password Manager | Github
A python script using the TKinter module to create a user friendly GUI. The app is capable of storing username and password for a specific website in JSON format. If the website name is supplied again, the app can return the stored username and password.