

**Matthew Ivancic**  
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## **Technical Skills**

PowerShell	Networking	Kubernetes
Python	GitHub	MEMCM/Intune
Terraform	AWS/Azure	Windows/Mac/Linux

## **Projects**

[\*Cloud Resume Challenge\*](#) – Created a static website hosted via S3 utilizing Route53-created DNS records and CloudFront distribution. Configured a lambda function written in Python called by an API Gateway-generated API to host a visitor counter. Automated all website elements using Terraform, utilized the Cypress testing framework and GitHub Actions to create a working CI/CD pipeline.

[\*gutenbergPasswordGenerator\*](#) – Created a script that utilized the gutenbergpy library to fetch the text of classic novels and craft secure passwords; performed unit testing using PyTest, enforced linting using pre-commit, black, and flake8, leveraged versioneer to manage application versioning; built wheel and published via PyPI, utilized DevOps methodology and automated above steps via GitHub actions

[\*Online Guest Book\*](#) – Built a Flask-based web app to receive, store, and display messages from visitors. Hosted web app on an EC2 instance with a stack of Amazon Linux 2, Apache web server(httpd), SQLite3, and Python. Automated all infrastructure configuration via Terraform and web server configuration management via bash.

[\*Guestbook Enhanced\*](#) - Ported above project from a web-server based configuration to a serverless architecture utilizing a Blue/Green deployment strategy with less than 60 seconds of downtime. Created a container image to host the flask app using Docker. Hosted the container image in a ECR repo, and deployed containers using ECS/Fargate. Utilized API-Gateway generated APIs and Lambda functions to interact with a DynamoDB database. Created a CI/CD pipeline using GitHub Actions to deploy infrastructure via Terraform, as well as build new container images, upload them to the ECR, and render new ECS task definitions.

## **Awards and Certifications**

Google IT Automation with Python Certificate	Certified Kubernetes Application Developer
Cisco CCNA	Cisco Certified Specialist – Enterprise Core
AWS Certified Cloud Practitioner	ITIL Foundations Certified
Eagle Scout	

## **Professional Experience**

<b>DRW</b> , Chicago, IL Desktop Systems Engineer	December 2021 – Present
<ul style="list-style-type: none"><li>• Provided white glove support to C-level employees and partners of DRW, a 1200-person HFT firm</li></ul>	

- Supported existing TeamCity/SCCM environment (TCCM), collaborated with application developers to build artifacts and deploy new software releases
- Automated processes using PowerShell, such as automating the preparation of kiosk laptops for use in large-scale on-site candidate coding interviews
- Refactored an existing codebase to utilize Splunk as a logging system, devised new logging schema and created appropriate visualizations using Grafana
- Performed deep analysis of faulty systems using a DataViz-based historical logging system
- Collaborated with database admins as part of project to update Microsoft Dynamics Great Plains
- Assisted in the implementation of Patch My PC, a 3<sup>rd</sup> party software patching orchestration program

## **PPM America, Chicago, IL**

Desktop Engineer

February 2020 – November 2021

- Provided Tier 2/3 support to the employees of PPM America, a 260-person financial services firm
- Served as the SME for MEMCM; packaged applications for deployment, monitored and remediated monthly patching cycles
- Led new infrastructure initiatives in relation to MEMCM; deployed a CMG, configured our existing SCCM environment for Co-Management with Intune
- Maintained existing group policy and migrated existing GPOs to Intune Configuration Profiles
- Implemented and maintained Patch My PC, a 3<sup>rd</sup> party solution for the orchestration of 3<sup>rd</sup> party software updates via SCCM
- Remediated security vulnerabilities and code reds using Qualys including PrintNightmare

Desktop Analyst

June 2018 – January 2020

- Provided Tier 1/2 support to the employees of PPM America, a 260-person financial services firm
- Created and implemented processes related to the onboarding and offboarding of all employees
- Served as the Knowledge Manager, where I conducted a full audit of all enterprise applications, working with the application owners to ensure all CIs were fully up to date

## **Republic Services, Crestwood, IL**

December 2014 – June 2018

Help Desk Tier 1

- Provided Tier 1 Desktop support over the phone, as well as via Bomgar
- Supported various new hardware and software initiatives
- Collaborated on the Knowledge Management team to both compose new articles documenting best practices, as well as auditing existing articles for accuracy

## **Education**

**Illinois Institute of Technology, Chicago, Illinois**

August 2010 - May 2014

Bachelor's Degree in Biology

