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# MATTHEW IVANCIC

DESKTOP SYSTEMS ENGINEER

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[matthew.ivancic91@gmail.com](mailto:matthew.ivancic91@gmail.com)

(708) 280-3030

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## Profile

Experienced IT Professional looking to apply my skills to more challenging engineering roles in the DevOps/Cloud space.

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## Projects

### Cloud Resume Challenge

Created a static website hosted via S3 utilizing Route53-hosted DNS records and Cloudfront distribution. Configured a lambda function called by an API Gateway-generated API to host a visitor counter. Automated testing using Cypress and Terraform, created an automated development pipeline using Terraform and Github actions. (You're viewing the final product right now!)

### gutenbergPasswordGenerator

Wrote a script that utilized the gutenbergy library to fetch the text of classic novels and craft secure passwords; performed unit testing using PyTest, enforced linting with pre-commit, Black, and Flake8; leveraged versioneer to manage application versioning using git tags; built wheel and published via PyPI, automated above steps via GitHub actions

### Online Guest Book

Built a Flask-based web app to receive and store 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.

### GuestbookEnhanced

Ported above project from a web-server based configuration to a serverless architecture by a Blue/Green deployment 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.

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## Technical skills

Powershell/bash	Networking	Kubernetes
Python/Flask	Git	MEMCM
Terraform	AWS	Windows/Mac OSX/Ubuntu

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## Experience

### DRW

December 2021-Present

#### Desktop Systems Engineer

Provided white glove support to C-level executives and partners of DRW, a 1200-person HFT firm

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

Performed deep analysis of faulty systems using a DataViz-based historical logging system

Collaborated with database admins as part of a project to update Microsoft Dynamics Great Plains

Assisted in the implementation of Patch My PC, a 3rd party software patching orchestration program

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## PPM America

June 2018-November 2021

### Desktop Engineer - Febraury 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

Implemented and maintained Patch My PC, a 3rd party solutiong for the orchestration of 3rd party software updates

Remediated security vulnerabilities such as PrintNightmare in conjunction with our security team using Qualys

### Desktop Analyst - June 2018-February 2020

Provided Tier 1/2 support to the employees of PPM America

Created, implemented, and automated processes relating to the onboarding and offboarding of employees

Served as the Knowledge Manager, where I conducted a full audit of enterprise applications, working with application owners to ensure CIs were up to date

## Republic Services

December 2014-June 2018

### Help Desk, Tier 1

Provided Tier 1 desktop support over the phone

Supported various new hardware and software initiatives

Collaborated on the Knowledge Management team to compose articles documenting best practices, as well as auditing existing best articles for accuracy

## Awards and Certifications

Certified Kubernetes Application Developer

Cisco Certified Specialist - Enterprise Core

Cisco CCNA

AWS Certified Cloud Practitioner

ITIL Foundations

Eagle Scout

## Education

Illinois Institute of Technology - Chicago, IL

Bachelors of Science in Biology, 2014

Matthew Ivancic — [matthew.ivancic91@gmail.com](mailto:matthew.ivancic91@gmail.com) — (708) 280-3030

Visits: 487