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# Michael Miara

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IT Specialist with 4+ years of technical consulting experience. Focused on microservices, DevOps, and related cloud and open-source technologies.

## EXPERIENCE

### **Booz Allen Hamilton** – Associate

October 2022 – Present

### **Booz Allen Hamilton** – Senior Consultant

February 2021 – October 2022

Below positions are projects under Booz Allen Hamilton

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### **Federal Reserve Bank** – DevOps Engineer/Architect

June 2022 – Present

- Designed and built AWS environments, pipelines, secure Docker images, and procedures/best practices for use by development teams as reusable processes
- Built out network policies and customizable options for development teams based on environment/application
- Tools used include Istio, Terraform, GitLab, Helm, AWS (EKS, ECR, EC2, CloudFormation, S3, AWS Load Balancer Controller)

### **PEO IWS X – NAVY** – DevOps/Software Engineer

September 2021 – June 2022

- Designed hardware, software, and organizational requirements for installing, operating, and deploying software to air-gapped k8s clusters running on ships
- Built out internal scheduling tool as an internal POC application deployed to Platform One using Python (Django) and JavaScript (React)
- Gained insight into the inner-workings of development teams and Agile principles, methodologies, and ceremonies within them
- Tools used include Helm, GitLab, Terraform, Flux, AWS, Ansible

### **Booz Allen Hamilton – Internal** – DevOps/Software Engineer

February 2021 – September 2021

- Implemented a multi-cloud POC to demonstrate CI/CD deployments to Azure and AWS kubernetes clusters/environments using Kubernetes, Docker, Rancher, Fleet, Terraform, Jenkins, and GitHub Actions

- Developed automated dev environment build processes/pipelines using Python, ArgoCD, Terraform/Terragrunt, Jenkins, Sonarqube, Grafana, Prometheus, Loki, and K3s/RKE2
  - Developed an internal development dashboard in Python (Flask) used to deploy the environment mentioned above in AWS, integrated with internal credentials system (SAML)
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### **AXIA Consulting – IT Consultant**

May 2017 – February 2021

Below positions are projects under AXIA Consulting

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### **Bob Evans Farms – Linux Administrator**

February 2020 – February 2021

- Served as a system administrator and maintain Linux environment
- Upgraded and migrate OEL6 servers to OEL7
- Assisted in cloud migration from on-prem environment
- Performed health-checks surrounding Oracle EBS and overall infrastructure including recommendations/best practices

### **ECHO Global Logistics – VMware/Kubernetes Engineer**

November 2019 – February 2020

- Performed Hyper-V to VMware migration using VMware Converter
- Completed VMware environment configuration post-migration
- VMware Horizon (VDI) POC using AppVolumes, Dynamic Environment Manager, and Instant Clones. Configured use cases for developer and consultant workstations, as well as “mass work from home” situations
- Delivered Kubernetes training for IT Operations team. Worked with multiple teams to define responsibilities between development, operations, security, and devops.

### **Toyota Boshoku America – Oracle/Architecture Consultant**

July 2019 – October 2019

- Completed IT infrastructure assessment focusing on Oracle E-Business Suite architecture
- Proposed multiple solutions and architectures, fully built out with detailed architecture diagrams, estimated costs, and roadmap plans
- Used Spotlight monitoring software to analyze Oracle environment performance

### **The Management Council – Ohio Education Computer Network – Kubernetes Consultant**

April 2019 – February 2021

- Developed automated production Kubernetes deployments to VMware on-prem using kickstart server, Ansible, and Bash scripts
- Deployed custom application containers to support 200+ school districts
- Continued production support – upgrades, maintenance, and helping employees understand and become comfortable maintaining the environment

- Performed automated security scanning using Ansible and OpenSCAP
- Tools used include Centos, Kubernetes, Docker, Nginx, HAproxy, GlusterFS, Calico, RedHat High Availability - Corosync and Pacemaker, NFS, AVI Networking, Prometheus, Grafana, EFK Stack logging

## **Dover Corporation – IT Consultant**

June 2017 – January 2019

- Implemented VMware Horizon (VDI) to solve “last mile” bandwidth issues in remote offices/warehouses
- Upgraded VMware environment from 5.5 to 6.5
- Installed and upgraded hardware in data center
- Utilized Solarwinds and LANsweeper to analyze/improve network monitoring

## **EDUCATION**

### **West Virginia University – Bachelor of Science, Management Information Systems**

May 2014 – May 2018

## **CERTIFICATIONS**

### **Istio Intermediate – Solo.io**

July 2022

### **CompTIA Security+**

August 2022

### **AWS Solutions Architect – Associate**

June 2022

### **AWS Certified Cloud Practitioner**

May 2021

### **Certified Kubernetes Administrator (CKA), The Linux Foundation**

February 2020

### **VMware VCP – Data Center Virtualization 2019**

August 2019

## **SKILLS**

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|--------------|-----------------|
| - Kubernetes | - AWS           |
| - Docker     | - Linux         |
| - Terraform  | - Istio         |
| - VMware     | - Ansible       |
| - Python     | - GitLab/GitHub |