**Joseph A. Balestrine**

**DevOps Engineer | Automation Engineer | Enterprise Cloud Architect**

[**JosephBalestrine@yahoo.com**](mailto:JosephBalestrine@yahoo.com)

**Mobile: 253-350-9800**

**INFORMATION TECHNOLOGY**

"What I am most passionate about is efficiency, Team work, and raising the bar in overall achievements. I enjoy working on ways to improve operations, processes, metrics, and workflows. There is nothing I enjoy more than selling a good solution that will make a difference to a client's organization. Skills I have always relied on: - Analytical comprehension to analyze, Dissect, interpret, and find critical and reverse critical paths to seamless solutions within time constraints. - Communicating as clearly and as often as necessary - Being diplomatic and fair Seeking a position in Information Technology, to become a master in my field at a company with growth opportunities in Management of Information Technology, & Quality Control."

**Goal:** Seeking a position in Information Technology, to become a master in my field at a company with growth opportunities in Management of Information Technology, Quality Control Inspection, & Disaster Prevention Mgmt.

Strategic and Creative Ninja fast Thinker with Critical and analytical comprehension -

A Background in Start-Up / High-Tech / Multi-faceted skills sets.

**Work History**

**Senior DevOps Engineer Lead III | Redmond, WA** 05/2024 – benched

**WIPRO / Microsoft Corporation – Contract**

* Designing, developing, and implementing scalable and secure data solutions leveraging the latest Azure technologies
* Cloud-based data architectures and best practices, VISIO PRO, Enterprise Cloud Architecture
* Azure DevOps, CI/CD pipeline management
* CI /CD, ADO, GIT, IAAC
* PowerShell Scripting, IAAC. Terraform, Terraform Enterprise, TFE
* Ticketing, alerting systems, Logs, Splunk, SCOM, SNOW – Service Now.
* Identify and troubleshoot Program-related issues and implement solutions. RCA. Root Cause Analysis. Determine, document – Implement.

**DevOps Engineer Lead / 08/2022 to 02/2023 | NYC, NY | Seattle, WA | REMOTE - contract**

**V-Soft Consulting / United Health Group - UHG / Division: Optum Cloud Connect | Azure Lighthouse**

* Created TFE Terraform Enterprise, Azure DevOps Pipelines, CI/CD for automated deployments of Infra and Umbrella policies for CAF / Software / IAAC.
* Create ARM Templates, TF Modules, Archetypes (Hub & Spoke Model) Tap Documents, Architectural Designs for automation of Cloud Infra, Kubernetes Clusters Nodes Scaling, Docker / WIN VMs, / Unix Images.
* Created Automation Scripts (TF, PS) for Post-deployment of AVS - HCX Fleet Deployments and L2COnnector NSXT.
* Managed team in day-to-day activities and provided guidance of gathering information for POCs and POV.
* Performed research and gathered requirements for all work to be performed.
* Researched tools to be used within our department to assist Clients for CSP, Azure Lighthouse within our CSP Subscriptions.
* Organized and Lead Cross Team Collaboration for onboarding of new clients and services for our CSP Platform.
* Defined and created SOW Epics, User Stories and tagged to synch with Business Managers for Projections, Budget Forecasting, and resource allocation.
* Created Automation for Deployment of CMP Tools, such as Turbonomic.
* Setup and Drove meetings for Vendor Training and onboarding of 3rd party tools and services to be hooked into the production pipeline for new and Existing Clients.
* Setup and Configured AVS for Migration of On-Prem to Azure VMWare solutions for ON-Prem to Azure Resources and
* Tools Migration in prep of Tearing down OnPrem Datacenters. (Lift and Shift)

**DevOps Architect / DevOps Engineer**- 04/2022 to 08/2022

**Mphasis / Apollo Investment Consulting LLC - NYC, NY | Seattle, WA | REMOTE - contract**

* Created Enterprise Architectural Diagrams with custom stencils in MSVisio. (Hub&Spoke Model)
* Created Custom Archetypes with Layers defining POC for IAAC to be used in Standing up all resources for the application and inter-dependencies.
* Created POCs - which defined the scope of work and all requirements to stand up all necessary resources to support applications developed with multiple clients within Apollo Financial Management services.
* Defined and created steps in CI/CD Pipelines within Azure.
* Setup Deployment of all Azure resources needed to support Applications developed with multiple projects.
* Utilized IAAC for Management of all resources needed within Hybrid, On-Premise and Cloud Environments.
* Created User Stories for tracking progress, blockers, and impediments along sprints.
* Provided detailed steps for setting up infrastructure and guidance for creating / requesting access for all $Environment for clients which required consulting to complete the successful setup of their applications within Azure / AWS / GCP.
* Served as a Program Manager of Systems / DevOps Engineer / Architect Engineer concerning the Microsoft Technology Stack / IAAC PowerShell DSC ARM Templates and Terraform.
* Worked with Unix Platforms, Docker, Kubernetes Clusters setup utilizing Terraform.
* Managed Kubernetes via Docker / Bastion instances to remote into via SSH thru. PEM secured connections.

**Enterprise Cloud Architect / DevOps Engineer /Lead Consultant**– 10-2020 to 10/2021

**Tata Consultancy Services, LLC (TCS) Humana Insurance– Seattle, WA / Louisville, Kentucky | Remote**

* Configured and created solutions for Automation, and CI/CD IAAC utilizing Terraform / PowerShell// Azure DevOps/ AWS / GCP.
* Created detailed Technical Diagrams for Enterprise applications within multiple departments at Humana for managing their migration and planning for designing their cloud presence and production Enterprise applications. On-Premise, Multi-cloud, Hybrid environments.
* Architect / Plan / Design MS Visio Diagrams for end clients (Humana) for Enterprise cloud applications (i.e.; Lift and Shift Hub and spoke model). Azure/ AWS / Google Cloud Platform.
* Created scripts to Automate and Manage AD, Network, DNS, DHCP, Azure Service Bus, Shared Service WVD,

Azure Policies, V-net peering, Spokes, NSG rules, Remote state Init, Backend Config, Managed Disk, Azure VMs, Storage, NAS, ADFS 2.0, Endpoint Monitoring. AADS, Policies, etc.

* Created scripts to automate and configure Micro-services for Azure DevOps/AWS.
* Managed and configured, Artifactory, Jira, Jenkins, Docker, Azure DevOps, GitHub, Agents for CI/CD.
* Created scripts to Setup and configure AKS, Clusters, Infrastructure, WebApps within Azure.
* Setup and Configured IAAC, SAAS on Azure platform such as PowerShell/ Terraform for configurable IAAC deploy across enterprise infra. PowerShell, some shell scripts, C#, Visual Studio, source code management.
* Utilized Azure, AWS as a DRAAS Scripting solutions. Created scripts to Maintain Security compliance / Auditing
* Git Continuous Integration, source code management with git, cloning, Forking, sync, and source code.

**Senior DevOps Engineer,** | **ECA** - 10-2018 to 05-2019

**CUNA – Credit Union National Assoc.| ATOS/Syntel –** Seattle, WA | Remote

* Setup, Configured and Utilized Azure Dev-Ops / TFS, VSTS for CI/CD and Managing Artifacts.
* Automation of manual processes. APP License management. Monitoring, Ticketing, CI/CD.
* Provided Enterprise / Datacenter Triage Support.
* Worked as a SME for Process Automation for Tools Team, API Connect Team, BizTalk, VSTS/ TFS/ Azure DevOps, XML Spy, ActivePDF, MS SQL Server, Visual Studio, Dev Tools, Sys Management Tools.
* Created Custom Application C# - WPF GUI for Managing System Management and \* tasks for all \* resources within Azure/On-Site $Env.
* Setup and configured Micro-services for Azure DevOps.3rd party plugins. Artifactory, TeamCity, Git, etc.
* Setup and configured AKS, Kubernetes @ Azure.
* Setup and Configured SAAS on Azure platform.
* Configured and setup ARM Templates & Terraform as IAAC for deployments across enterprise Infrastructure.
* Configured and Orchestrated services utilizing Ansible on Azure.
* Created Python Scripts for automating DevOps operations.
* Management of AD, Ident. Mgmt., Permissions, Auth across Custom Apps and Enterprise Auth / PDCs.
* Provided Tier IV, Level support for \* Windows (Windows 2003 – 2016DC/ Enterprise R2), SQL Servers, HA Clusters, Engineering Tools, Tools Development (SCCM, SCSM, SCOM) and Security Compliance.

**Senior Dev-Ops Lead Engineer** - 05-2017 to 09-2018

**Team Inc. (Team Digital Division) –** Pittsburgh, PA / Seattle, WA | REMOTE

* Setup, Configured and Utilized TeamCity & VSTS for CI/CD and Managing Artifacts.
* Created ARM Templates to automate standing up of our Dev/ Test Environments. AD, VNET, RG’s, NSG’s, SQL HA, Clusters, SOFS, FCI, IIS – LB % $Env, ++ integrated into VSTS for one click deployment automation.
* Created Custom Application WPF for Managing \* tasks for \* resources within Azure/On-Site $Env.
* Management of AD, Ident. Mgmt., Permissions, Auth across Custom Apps and Enterprise Auth / PDCs.
* Provided Tier IV, Level support for \* Windows (Windows 2003 – 2016DC/ Enterprise R2), SQL Servers, Queries, Clusters, Engineering Tools, Tools Development (SCCM, SCSM, SCOM) and Security Compliance.
* Created Automation Processes to manage Infrastructure, Servers, Services, and Interdependencies.
* Created and Managed Azure Environment. NSGs, VMs, Perms, Deployments, Migrations, NLBs, SQL H.A, Clustered Environments, SOFS – (Scale-Out File Server).
* Setup and configured Micro-services for Azure DevOps. TeamCity, Github, OKTA, Agents for CI/CD. Docker, Jenkins configuration and Pipeline for CI/CD. ++ Octopus.
* Automated standup of all resources for AKS, Kubernetes cluster on Azure.
* Setup and Configured SAAS on Azure platform such as Terraform for configuration of IAAC for deployments across enterprise Infrastructure.
* Configured and Orchestrated services utilizing Arm Templates on Azure.
* Setup and Configured CI, CD + Pipelines for Agile development Best Practices.
* Created Health Check and Validation tools with PowerShell used for Smoke Testing, Post-deployment and Migration Validation Tests, and General Health Monitoring Tools.
* Setup, Configured, and Maintained SCCM for Thick/Thin/Mobile Client Deployments, Server Management, Security Patching, Auditing, and Reporting utilizing PowerShell to wrap Logic around Task Sequences to Automate Processes.
* Developed / Developing (Maintaining) a WPF Application to serve as a Sys Management Tool to Manage our Azure Off-Premises Environments. Created a Source Control system for CI, CD across all $servers in our $ENV.

**Senior Dev-Ops / Application Support Engineer** - 08-2016 to 05-2017

**Computer Intelligence Agency –** Seattle, WA | REMOTE

Senior Service Engineer / Dev-Ops / Application Support Engineer

* Provided Tier III, IV, Level support for \* Windows (Windows 2003 – 2012DC/ Enterprise R2), SQL Servers, Queries, Clusters, Engineering Tools, Tools Development (SCCM, SCSM, SCOM) and Security Compliance.
* Managed AD, Network, DNS, DHCP, Azure Service Bus, Storage, NAS, ADFS 2.0, Endpoint Monitoring.
* Web Development, SEO, SSO, API's, Web Deployments
* Setup, Managed and Maintained, SCCM Collections and Pillars Task Sequences Wrapping logic (automation) around steps.
* Setup and configured Micro-services for Azure DevOps. TeamCity, GitHub, OKTA, Agents for CI/CD.
* Automated Deployment of AKS, Kubernetes Cluster WebApps within Azure.
* Setup and Configured SAAS on Azure platform. Utilized Terraform/ARM Templates for IAAC. Automated IAAC for AWS, Azure, Google Cloud, and IBM Cloud services.
* Maintained Security compliance / Auditing.
* Updated existing Shell Scripts, C#, Visual Studio, VSTS source code management. Code flow, source depot.
* Git Continuous Integration, source code management with git, cloning, sync, and source code branch management with stash VSO and VSTF, VSTS, stash, Jenkins. Following agile development processes, Kan ban.
* Windows server technologies, Active Directory, IIS, SQL 2012, Clustering.
* Azure Cloud Services and Management. Azure AD – SSO, Auth Perms, RG’s, DG’s.

**Senior DevOps App Engineer-** 05-2016 to 08-2016

**T-Mobile** – DevOps –Bellevue, WA **- contract.**

* Developing Applications, Modules and Automation Scripts for Enterprise Servers and Services.
* Developing tools for management of services and applications
* Creating solutions for new services. Setup / Configured – Docker, Jenkins. CI, Agile, Scrum, Deployments, Application Support Developing Monitoring solutions for all services internal and Client end.

C#, PowerShell, SQL, AZURE, IIS, Windows Enterprise Servers/Data Center, Linux, Apache, MySQL, VSTS.

Git Continuous Integration, source code management with git, cloning, sync, and source code branch management with stash VSO and VSTF, Stash, Jenkins. Following agile development processes, Kan ban.

* Developing, Deploying, and automating processes for Reporting, Performance tuning, and Security.

**Sr. Service Engineer / Tools and Automation -** 11-2014 to 04-2016

**Microsoft Corporation** – Departments: **XBOX/SSO/CFIT/ BGIT/WAG/OSG** (Multiple Departments) – Redmond, WA

* Provided Tier III, IV, Level support for Windows (Windows 2003 – 2012DCR2), SQL Servers, Queries, Clusters, Engineering Tools, Tools Development (SCCM, SCSM, SCOM) and Security Compliance.
* PowerShell, Shell Scripts, C#, Visual Studio, VSTS source code management. Code flow, source depot.
* Git Continuous Integration, source code management with git, cloning, sync, and source code branch management with VSTS, stash, Jenkins. Following agile development processes.
* Windows server technologies, Active Directory, IIS, SQL 2012, Clustering
* Azure Cloud Services – ADFS, AD, Forefront Ident. Mgr. Auth / Perms. Enterprise. & Data Center.
* Setup and configured Micro-services for Azure DevOps. TeamCity, GitHub, OKTA, Agents for CI/CD.
* Setup and configured AKS, Kubernetes Cluster WebApps within Azure.
* Setup and Configured SAAS on Azure platform such as Terraform for configurable and deployments across enterprise Infrastructure.
* Configured and Orchestrated services utilizing Ansible on Azure.
* Created Python Scripts for automating DevOps operations.
* Utilized AWS for DRAAS and Geo-redundancy.
* SCOM, Fiddler, AppInsights, System Center Orchestrator, SMTP / Service Engineering and Operations
* Problem Management: Perform root cause analysis, track and investigate problems by using standard and custom problem management tools and processes, and develop plans and recommendations for improvements. Deep technical skillset for implementing recommended technical solutions.
* Incident Management: Document and investigate escalated incidents or incidents across multiple service dependencies, resolve them by using innovative engineering practices, and document those innovations into engineering standards while monitoring the overall quality of incident management
* Participate in the implementation of new SQL application releases and web technology, embed deeply with engineering teams to provide design inputs and operational best practices to support large scale infrastructure and design.
* Provided On-Call 24/7 Break / Fix Technical Support for: \* XBOX servers WHERE ‘OS’ –eq “%Win. 2003 Enterprise– WIN 2008 R2 Enterprise - WIN 2012 Data Center R2%”;

AND WHERE ‘Services’ –eq AZURE, SQL, TFS, SharePoint, Business Intelligence, Security, Patching, Deployments, Active Directory, Trusts, SCOM, SCCM, SCSM, \*HYPER-V(VMWARE), VMM, Networking.

* Created Documentation + TSG (Trouble shooting guides for Best Practice), KA’s (Knowledge Articles) Utilizing ITIL for Business Metrics while following KPI’s and Meeting SLA for each Service.
* Interfaced with Stake Holders, Program Managers, and Project Managers.
* SCCM – Creation of Pillars + Collections for Patching, and Deployments of OS + Applications + Automation.
* OS and Application Deployments for all OS (WIN 2003 – WIN 2012 DC R2)
* Created Automated Task Procedures for patching environments in collections for XBOX Games in different ---Domains. (PPE, TEST, CERT. PROD$ )

-Created Logic in Task Procedures for Automating OS Deployments, Security Patching and compliance.

* Managed, Maintained, deployed, and Configured Windows Environments:

- Windows 2003 – Windows 2008 – Windows 2008R2 – Windows 2012 Datacenter Sp0 | R2 Admin for all environments

- Setup Services and provided Break/FIX Engineering for all Windows Enterprise Servers (Azure and On-Premise + Cross Premises 2-way trusts connectivity.

* Deployed, Setup, Configured and Maintained SQL Server instances (Azure + On-premise)

-Setup Clustering, Load Balancing for all services.

* Managed CRM – NT AUTH, ADFS 2, AD, Cross Premises connectivity – 1way and 2-way Trusts .cer / PFK, Auth, 2 Factor Authentication, Trusts, Domain Admin across all Domains within Microsoft except PHX domain. CORP, REDMOND, SENET, MGS, RGS, HALOWAYPOINT.
* Enforced Policies domain wide.
* Managed, configured, Maintained, Deployed, Code Check-ins. Troubleshooted, IIS 6 7, 7.5, - 8 Application servers for XBOX gaming servers across multiple domains / Environments. Shared config, Persistent connections, HÀ. Load Balancing VMM Management
* Defined RCAs, Write TSG’s, KA’s, Performed and delegated work for maintaining XBOX servers, PM, VM, VH.
* Implemented DOMAIN level GPO enforcements for pushing large scale automated patching for \* servers.
* SCSM – Created WITs, SR, IR’s Templates to expedite operations and day-to-day procedures.
* Managed RFC, SR, IR, Deployment planning and driving of other groups to Drive Compliance enforced by MSIT.
* Managed and responsible for Driving all Security, Patching and Tools development and support.
* Military Security Clearance for the ITAR – Cryptography and Department of Defense.
* 40k + servers. Security, Patching, Operations, SLA, 2008-2012 Enterprise / Datacenter Environments.
* Scripting Automation | PowerShell
* Product Studio, SSMS, SQL, SharePoint, Office 365, Merlin, FIM.
* Managed Investigations of Environments based on Vulnerabilities and Patches required in acquiring Compliance specifications set by End Client. (Date, requirements, deadlines, expectations, Forecasting)
* Interfaced with SDE, SDET, and PM’s, Stake Holders, Managers, Sr. Svc Engineers for defining logistics, SOP, Best Practices, RCA, TSG’s, Tracking, and Trend Analysis.

**Microsoft Corporation** – D.O.D, ITAR Military Department of Homeland Security –08/2014 – 11/2014

Redmond, WA -

Security Service Engineer

* Military Security Clearance for the ITAR – Cryptography and Department of Defense.
* Managed, Patched, automated services on 139k + enterprise servers. Security, Networking / Zone Patching, Operations, SLA, 2003-2012 Enterprise / Datacenter Environments.
* Scripting Automation | PowerShell | SQL, SSMS, SharePoint, Product Studio, Merlin,
* Networking / $ENV = “CORP, DDogMgd1, DDogMgt, DProd, DProdMgd1, DProdMgd2, DprodMgd5, Edog, Gallatin, O365Test, Prod, ProdBubble, SPOD, MGT, ITAR, JPMC”.

**PM / DEV**- 05-2014 – 06/26/2014 - contract

**Microsoft Corporation** – Operating Systems Group – Office 365 CXP - Redmond, WA

* Interfaced with other Teams including BGIT, Developers, Sr. Project Managers, Content Managers & Engineers.
* Managed the Research & Development to determine Cost, Time, Best Practices, Deployments, Maintenance,

Needs, Hardware, Software, Limitations, Permission Requirements to complete the Projects within SLA / Deadline.

* Scripting & PowerShell | XML/XSLT | SQL | C# | DxStudio or other help authoring tools. | Product Studio.
* Migrated SharePoint 2010 to SharePoint 2013. \*Content from Dev + Old SP. WebDAV sites.
* Utilized SP Workspace software. & SharePoint Designer | Created Sites Collection.
* Configured / Setup Site Permissions for Content Editing, Read, Full Control. Misc.

**Sr. Service Azure Engineer III** / SME - Feb 2014 to 05/2014

**Microsoft Corporation** –Windows Azure Group (WAG)– Redmond, WA

* Test Cluster Management and Environment Maintenance on Azure using Azure Web Portal and tools.
* Trained / on-boarded Service Engineers / Mentor all Service Engineers for Live Prod / Cert / Test 24/7 Environments while on-site at Microsoft.
* Azure- IIS, DNS, SharePoint, TFS, Web Management. Config + setup and deployments.
* Created Tools, Snap-ins, Modules, Scripts, (PowerShell) for testing, Diagnostics, Triage, Monitoring, Trouble Shooting, Remote Management for all services related.
* Using source code control systems to check in and check out source code or configuration files
* Ticketing systems | Bug tracking system | Team Foundation Server | SharePoint
* Scripting with PowerShell for Systems administration and troubleshooting.
* C#, .NET, managed code | Work with stack dumps and locate line of code in source
* Failure analysis by reading logs, Write Scripts to read Logs and automate fail-safe recovery procedures.
* Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2
* BIOS configuration | Routing tables, TCP/IP configuration | Network / PXE boot, DHCP
* File shares / SMB / CIFS | Windows Emergency Management Services
* Server-side network troubleshooting | Network deployment and troubleshooting
* ACLs, firewalls, net filters |ILB, ELB and use of virtual IPs (VIPs), SNAT
* Configure, take, and analyze packet captures | Distributed systems and datacenter systems
* Distributed system software and system operation

**Support Engineer II – Operations Center**- 09-2013 to 02-2014

**Microsoft Corporation** – Windows Azure SQL Azure IE (COGS)- Redmond, WA | Issaquah, WA

* Diagnose and mitigate (break/fix) platform faults resulting in service disruption of Windows Azure Cloud Platform.
* Debugged and diagnose platform outages on Windows Azure Cloud Platform.
* Coordinate with external and internal teams to find out resolutions.
* Create positive outcomes for partners and customers in critical outage situations.
* Adhere to processes defined.
* Drive technical and procedural improvement across support.
* Worked on 24 x 7 support model (no constraints, no reservations).
* Enterprise level support for a large-scale international customer.
* Utilized Programming Concepts and basic scripting abilities, PowerShell.
* Utilized debugging tools like Procmon, Perfmon, Network capturing tools like Netmon, Wireshark.
* Working knowledge of enterprise networks including load balancers, routers, and switches.
* Communicated and coordinated effectively with external and internal teams.
* Performed work under continuous deadline pressure. | Worked in high availability environment
* Contribute to the development of project and improve overall efficiency
* Adherence to process (ITIL) and Incident management and SLA, Responsible for Incident management (Proactive & Reactive), execution of Changes, Problem & Performance mgmt.
* Accountable for operational performance including real-time SLA management, escalation, and communication
* Documenting troubleshooting and problem resolution steps along with Root case Analysis

**Support Engineer 2.5 (XOC) -** 01-2013 – 06-2013

**Microsoft Corporation –** Redmond, WA | Issaquah, WA

* Supported all services in the Xbox Operations Center. Provided Technical Support and Advanced Troubleshooting in diverse scenarios involving server applications, Enterprise / Datacenter servers (2008, R2, 2012 Enterprise/Datacenter, Win server 8. databases, and networking.
* Server Management – Analysis and troubleshooting SCOM SCSM ticketing queue
* Operations center/monitoring and troubleshooting SCOM.
* SQL Server Management | T-SQL, Queries. Statements and updates. Error logs and parsers for analysis.
* 24x7 production environment supporting critical real-time applications.
* Cross-group collaboration. Work with internal customers and work cooperatively with other employees. Software Development, Technical, and Network Engineers.
* Analysis, monitoring, troubleshooting, Triage of Application, Hardware, Server, Network services in Production, and Non-production Environments.
* Provided analysis, technical Support, Testing of XBOX Live services Applications, Gaming, and Media streaming services.
* Managed nodes SP admin, TFS, CMS, website updates, Hyper-V. Win 2003-win2008r2.

Perfmon, Fiddler, SSMS, SCSM, SCOM, T-SQL, MSSQL, IIS, Win server 03-12 Enterprise, PowerShell,

25 years total Information Technology experience.

AOL/Time Warner | Comcast | Yahoo/SBC Global | Lyondell Citgo Refinery | Fluor Engineering | University of Texas Medical Branch | Chevron Refinery |

*More employment history available upon request.*

**Education**:

Galveston Texas: Galveston Community College :

H.S Diploma

Year: 1999

Houston Texas: Houston Community College:

Electrical: Certification

Year: 2003

Citizenship: USC

Last 4 SSN: 8563

Last 4 DOB: 0225

Current Location: Seattle, WA

LinkedIn: <https://linkedin.com/in/x122>

</END>