#### SUMMARY OF QUALIFICATIONS

* [**AWS SAA (Certified Solutions Architect - Associate)**](https://www.certmetrics.com/amazon/public/badge.aspx?i=1&t=c&d=2019-07-12&ci=AWS00878148)
* Lifelong learner inspired by DevOps culture, principles, practices and tools
* Solid communicator cross-functional team collaborator & Individual Contributor
* Generalist, Ops and Infra-nerd. Enterprise Architect and Monitoring savant.
* Extensive experience as systems/technical architect, sysadmin, analyst and Ops specialist

#### CLOUD, CONTAINERS, ERP, CRM, OPERATING SYSTEMS & DATABASES

* Cloud: Amazon Web Services Certified Solutions Architect
* AWS: IAM, EC2, EBS, EFS, S3, RDS, VPC design, AWS Console and CLI, Well Architected Framework, Shared Responsibility Model
* Containerization/Orchestration: Docker, Docker Swarm, Kubernetes, k8s Operators
* Service Meshes and Ingress Controllers: Istio/Nginx/Gloo
* IaC and CI/CD: Ansible, Terraform, CloudFormation, Git, GitOps
* Monitoring: Prometheus 2.x, CloudWatch, Certified Zabbix Specialist/Professional), IBM ITM
* Tracing and Observability: BPF/bpftrace, tcpdump, Jaeger, DTrace
* Linux: RHEL6-8.x/CentOS, Ubuntu 18, SUSE 9-11, zLinux, Slackware and other flavors
* HA: Auto Scaling, Pacemaker/Corosync, MariaDB: 10.X Multi-Master replication
* Web: Apache, Nginx, HAProxy, ALB/ELB, Auto Scaling (k8s and AWS)
* DBA/RDBMS:RDS*, MariaDB, MySQL,* DB2, Oracle, MS SQL Server, BI and DW
* Storage: S3, EBS, EFS, GPD, NetApp, Commvault, NFS, AFS, DFS, GPFS
* Data Stores/NoSQL: MongoDB, DynamoDB, etcd
* Service Discovery: Consul, Cloud Map, ServiceNow (API), k8s
* Reporting: Grafana, Graphite, Cognos, BIRT, Business Objects, SSRS, Actuate
* Enterprise: ERP (SAP Basis 4.x), CRM (Siebel 7.04)
* Other OSes: Solaris, AIX (certified ACP), HP/UX, MacOS

#### Scripting AND LANGUAGES

* Scripting: Bash, PERL, PowerShell, Korn
* Languages: Python (learning), Golang (learning), YAML, JSON, HTML, JS
* APIs: AWS API Gateway, Zabbix, REST, ServiceNow
* IDE/ISE: PyCharm, VS Code, Cloud9, Eclipse, MS PS ISE, vim
* Compilers: gcc, xlC, Golang, cc, c++, make, gmake

#### PROFESSIONAL EXPERIENCE

April 2019 – Present

**Independent Consultant: Open Source Solutions Architect / Creative Possibilities Inc.**

* Consult with clients about cloud migration from on-prem legacy environments.
* On-site Linux/Ops/MariaDB/k8s training for technical and non-technical staff
* Architect monitoring solutions like Prometheus/Grafana and Zabbix for Dev and Ops teams.

February 2015 - April 2019 NYS ITS

**Consultant: Open Source Solutions Architect / Enterprise Infrastructure SME**

* Led effort to replace legacy multi-platform monitoring infrastructures on (4100+) with a well-designed scalable Zabbix infrastructures (~3K+NVPS) saving ~$1M/year
* Deploy Docker Swarm & *Dockerize* applications for development. Document and train teams
* Led adoption of IaC/GitLab for team code repository and deployments. Led automation of team maintenance tasks with Ansible. Write testing and monitoring scripts with documentation.
* Led department in adoption of APIs and automating manual work and deleting tech-debt.
* DevOps resource to management team for research and understanding key concepts
* Architect, design and deploy/support/migrate large Zabbix 3.x/4.x (dev/prod) on RHEL 7.x.
* Lead DBA for all MariaDB infrastructures. Made all systems production-like.
* Designed implement and supported MySQL multi-master replication for production (and dev)
* Automated backups and integrated DBs with supported Commvault solution.
* Architect and deploy Prometheus and Alertmanager for meta-monitoring and visibility. Created Grafana Infrastructures as *information radiators* so customers had self-service with KPIs/metrics
* Support all legacy infrastructures and help customer pivot to modern tools. Focus on learning, team collaboration, documentation, and coaching

February 2005-2015 NY State OFT / Office of Information Technology Services

**Consultant: Technical Architect: Enterprise Infrastructure Solutions Architect**

* Architect, build, support, and upgrade all IBM ITM monitoring infrastructures
* Led Performance team finding performance issues in NYS infrastructures
* Design, build and maintain visualization and reporting tools for customer self-service
* Led DBA DB2 support/DB2 DB Migration/Tivoli Data Warehouse, Cognos and BIRT
* Lead for Middleware (MQ) and DB monitoring and prod telemetry for Ops/NOC
* Backend scripts and APIs to automate ticket enrichment for ITSM
* Architectural design and implementation of ancillary enterprise monitoring solutions like APM (IBM ITCAM) an Omnibus/Netcool.

June 2005-2006 Endicott Interconnect, Endicott, New York

**Consultant SAP Basis Administrator / DB2 and AIX Sr. Admin**

* Lead Basis prod and dev support of R/3 and BW/BI landscapes
* Knowledge transfer (SAP, AIX, DB2) for new Basis Consultant. Document
* Installs/Upgrades, Kernel Patches/Hotpacks, OSS/SAP Marketplace, Client Admin/Copy, Monitoring/CCMS, Performance, Batch/Spool, EarlyWatch, Corrections/STMS, SAPGUI
* Help the client transition to archiving (ArchiveLink)July 2001 – March 2005 IBM Global Services, Poughkeepsie, New York

**Consultant: Siebel Administrator: Sr. AIX Consultant/Siebel Admin**

* Infrastructure Architect for Siebel solutions that was the inception of IBM’s first CRM customer portal, IBM PartnerWorld, a $4Bn project.
* Led build team and trained members on Siebel, AIX, Windows & DB2.
* Scripting and customized telemetry to automate and monitor dev2prod process & infra
* Microsoft Certified Professional (MCP) and IBM Certified AIX Professional
* Integrated IBM processes/products into the Siebel stack (GPFS, AFS, JavaMail, orders)
* Design and automated Middleware (MQ) monitoring and self-healing
* Siebel 6.2.1-7.04 Call Center (AIX) Troubleshooting, Customization, Automation, EAI & EIM
* Reporting Tools Lead: Actuate Version (4-5) administration, SSO and LDAP.
* Led AIX/UNIX/DB2 consultation, training and performance tuning.

July 2000 – July 2001 IBM Global Services, Poughkeepsie, New York

**Consultant: SAP Basis Administrator: SAP Deployment for IBM Global Finance, Server Group**

* SAP R/3 Basis support. 3.x-46.x multiple mission-critical landscapes
* Installs/Upgrades, Kernel Patches/Hotpacks, OSS/SapNet, Client Admin, ALE Monitoring/CCMS, Performance, Batch/Spool, EarlyWatch, Corrections/STMS, SAPGUI
* Intercope FaxPlus integration and support and solution integration
* AIX/UNIX/DB2 consultation, training, performance tuning and monitoring
* IBM Content Manager and CommonStore support for SAP ArchiveLink

April 2000 – June 2000 Freetradezone.com/PartMiner.com, New York, New York

**Consultant: Sr. AIX Consultant/DB2 DBA**

* Lead AIX/UNIX admins, training and performance tuning
* Lead for DB2, consultation, training and performance tuning
* Design, implement and support development & production DB2 databases
* Support WebSphere and Apache 1.3.6, IHS and patch applies.

#### EDUCATION

State University of New York College at Purchase

*Bachelor of Arts in Sociology, Graduated with Honors.*

State University of New York College at Purchase

*SUNY-Purchase Music Conservatory: Major in Studio production (classical theory, jazz composition, and solfege)*