#### 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
* Twenty-eight years of roles in leading teams and designing infrastructure with technical leadership in enterprise architecture and design.
* Solid communicator cross-functional team collaborator & Independent Contributor
* Extensive experience as systems architect, admin and embedded ops engineer
* Specialize in cobbling OSS tools together to meet business needs.
* Ops and Infra-nerd. Monitoring savant. Proud Generalist
* Senior technical advisor to management

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

* Cloud: Amazon Web Services (CSAA)
* AWS: IAM,EC2,EBS,EFS,S3,RDS,VPC design, AWS Console and CLI, Well Architected Framework, Shared Responsibility Model
* Containerization/Orchestration: Experience in Docker, Docker Swarm, Kubernetes
* Service Mesh: Istio/Envoy/Traefik
* Serverless: Lambda functions to replace cronjobs
* IaC: Ansible, CloudFormation, GitOps, Terraform (learning)
* Deploy: Helm, Git, GitLab, Maven, SVN, Jenkins
* Monitoring: Prometheus, CloudWatch, Zabbix (certified), IBM Tivoli,
* Linux: RHEL6-8.x/CentOS, Ubuntu, SUSE 9-11, zLinux, and other flavors
* HA: Auto Scaling, Pacemaker/Corosync, MariaDB: 10.X Multi-Master replication
* WebOps: Apache, nginx, HAProxy, ALB/ELB, Auto Scaling (k8s and AWS)
* Ops: Rundeck
* DBA/RDBMS:RDS*, MariaDB, MySQL,* DB2, Oracle, MS SQL Server, BI and DW
* Storage: S3, EBS, EFS, GlusterFS, NetApp, Commvault, NFS, AFS, DFS, GPFS
* IDE/ISE: PyCharm, VS Code, Eclipse, MS PS ISE, vim
* Data Stores/NoSQL: MongoDB, DynamoDB, etcd,
* Service Discovery: Consul, Cloud Map
* Reporting: Grafana, Graphite, Cognos, BIRT, Business Objects, SSRS, Actuate
* Enterprise: ERP (SAP Basis 4.x), CRM (Siebel 7.04)

#### Scripting AND PROGRAMMING LANGUAGES

* Scripting: Bash, PERL, PowerShell, Korn
* Languages: Python, Golang (learning)
* YAML, JSON, HTML, JS
* APIs: AWS API Gateway, Zabbix, REST, ServiceNow

#### PROFESSIONAL EXPERIENCE

February 2015 - April 2019 NYS ITS

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

* Deploy Docker Swarm & Dockerize application stand ups for dev. Train team. Document.
* 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 killing tech-debt.
* DevOps resource to management team for research and understanding key concepts
* Architect, design and deploy/support large Zabbix 3.x/4.x (dev/prod) on RHEL 7.x.
* Spearheaded effort to replace legacy multi-platform monitoring infrastructure on (3500+) with a well-designed scalable Zabbix infrastructure (2K+NVPS), saving ~$1M
* Lead DBA for all MariaDB infrastructures. 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. Using Grafana Infrastructures as *information radiators* customers had self-service metrics
* Support all legacy infrastructures and help customer pivot to modern tools. Collaborate with multiple teams to meet business goals.

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

**Technical Architect: Performance & Capacity Planning/Infrastructure Architecture**

* 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) monitoring and telemetry.
* 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 support of R/3 and BW landscapes
* Knowledge transfer (SAP, AIX,DB2) for new Basis Consultant. Document
* Installs/Upgrades, Kernel Patches/Hotpacks, OSS/SAP Marketplace, Client Admin, Monitoring/CCMS, Performance, Batch/Spool, EarlyWatch, Corrections/STMS, SAPGUI, Production Support and BI/BW
* 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 created and IBM’s first CRM customer portal, IBM PartnerWorld, a $4bn project.
* Led build team and trained members on Siebel, AIX and Windows. Wrote scripts and customized telemetry to automate and monitor dev2prod process.
* Senior technical support for EIM and EAI flows into production.
* 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
* 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, 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

1998 - Aug 1999 IBM Global Services, Poughkeepsie, New York

**Consultant: SAP Basis Administrator: SAP Deployment for IBM's Worldwide Procurement**

* SAP R/3 Basis support. Learn Basis while training team on AIX.
* Mainframe support for DB2 2.2
* SAP GUI support and tools.
* AIX Troubleshooting training.

#### 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)*