

Michael G. Colletti
Enterprise Infrastructure & Cloud Solutions Architect
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(845) 675-0184
[@devnullid](#)

SUMMARY OF QUALIFICATIONS

- [**AWS SAA \(Certified Solutions Architect - Associate\)**](#)
- Lifelong Learner inspired by DevOps culture, principles, practices and tools
- Twenty-eight years of roles designing and supporting enterprise architecture & infrastructure
- Solid communicator cross-functional team collaborator & Independent Contributor
- Specialize in cobbling OSS tools together to meet business needs. Monitoring specialties.
- Ops and Infra-nerd. Proud Generalist. Senior technical advisor to management

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

- Cloud: Amazon Web Services (CSAA)
- AWS: IAM, EC2, EBS, EFS, S3, 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

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PROFESSIONAL EXPERIENCE

February 2015 - April 2019 NYS ITS

Consultant: 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 (~3K+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 while helping customer pivot to modern tools and infrastructure. Collaborate with multiple teams to meet business goals.

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

Consultant: 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) and 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).

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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)