

**Michael G. Colletti**  
**Enterprise Infrastructure & Cloud Solutions Architect**  
[creative@cpossibilities.com](mailto:creative@cpossibilities.com)  
(845) 675-0184  
[@devnullid](https://github.com/michaelcolletti)

## SUMMARY OF QUALIFICATIONS

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- [\*\*AWS SAA \(Certified Solutions Architect - Associate\)\*\*](#)
- 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

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- Cloud: Amazon Web Services Certified Solutions Architect, GCP, Azure
- 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
- Service Mesh: Istio/Envoy/Traefik
- IaC: Ansible, CloudFormation, GitOps, CodeCommit, Terraform (learning)
- CI/CD: Git, GitLab, Maven, Jenkins
- Monitoring: Prometheus 2.x, CloudWatch, Certified Zabbix Specialist/Professional, IBM ITM
- Tracing: BPF/bpftrace, tcpdump, Jaeger, DTrace
- Linux: RHEL6-8.x/CentOS, Ubuntu 18, SUSE 9-11, zLinux, 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, GlusterFS, Isilon, NetApp, Commvault, NFS, AFS, DFS, GPFS
- Data Stores/NoSQL: MongoDB, DynamoDB, etcd
- Service Discovery: Consul, Cloud Map, ServiceNow
- 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

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- Scripting: Bash, PERL, PowerShell, Korn
- Languages: Python, 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

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PROFESSIONAL EXPERIENCE

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February 2015 - April 2019 NYS ITS

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

- Lead 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)

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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 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.

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. AIX Troubleshooting training. DB2
- Installs/Upgrades, Kernel Patches/Hotpacks, OSS Notes/SapNet, Client Admin, Monitoring/CCMS, Performance, Batch/Spool, EarlyWatch, Corrections/STMS, SAPGUI
- Mainframe support for DB2 2.2 (MVS). MQ support, EDI, ALE, SAPGUI support and tools.
- Support SAP developers and customers.

## EDUCATION

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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)*