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

SUMMARY OF QUALIFICATIONS

- **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

- 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

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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.

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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)