Michael G. Colletti
Enterprise Infrastructure & Cloud Solutions Architect

creative@cpossibilities.com
(845) 675-0184
https://github.com/michaelcolletti/resumes
@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 SME
- Extensive experience as sysadmin, systems/technical architect and analyst

CLOUD, CONTAINERS, ORCHESTRATION, OPERATING SYSTEMS & DATABASES

- Cloud: AWS, GCP, and IBM Cloud
- AWS: VPC, EC2/S3, AWS console, cli, Well-Architected Framework and AWS best practices.
- GCP: VPC, GCE, GCS, IAM, Resource Hierarchy, Responsibility Matrix
- Containers: Docker/Hub/Swarm, ECS, GCR, containerization, application deployments
- Kubernetes: k8s PaaS (GKE, EKS), kubectl, local and cloud HA clusters through .18, Helm
- IaC: Terraform (aws/gcp), CloudFormation, Ansible, cloud SDKs (aws/gcloud/ic)
- SCM/CI/CD: Git, GitLab, TravisCI, Jenkins, CodeDeploy, Deployment Manager
- Linux: Linux AMIs, RHEL 6-8.x/CentOS, Ubuntu 18, SUSE 9-11, zLinux
- APIs: AWS API Gateway, Apigee, Postman
- Monitoring: CloudWatch, Stackdriver, Prometheus, Zabbix (certified), CloudWatch, ITM
- Tracing: BPF/bpftrace, tcpdump, Jaeger, DTrace
- HA: ASGs/MIGs), Pacemaker/Corosync, MariaDB: 10.X Multi-*Primary* replication
- Web: Apache, Nginx, IHS, ALB/ELB, HAProxy
- SQL: RDS*, MariaDB, MySQL,* Db2, Oracle, MS SQL Server, BI and DW solutions
- Storage: S3, GCS, EBS, EFS, GPD, Filestore, NetApp, Commvault, NFS, AFS, DFS, GPFS
- NoSQL: MongoDB, DynamoDB
- Reporting: Grafana, Graphite, Legacy (Cognos, BIRT, Business Objects, SSRS, Actuate)
- Other OSes: Solaris, AIX (certified ACP), HP/UX
- Enterprise Legacy: SAP Basis (ERP), Siebel Admin (CRM)

SCRIPTING AND LANGUAGES

- Scripting: BASH, PERL, PowerShell, Korn
- Languages: Python, HTML, JS, Markdown
- DSLs: YAML, JSON, XML
- APIs: AWS API Gateway, Apigee, Restful
- IDE/ISE: VSCode, Eclipse, PyCharm, MSPS
- Compilers: gcc, xlC, cc, c++, make, gmake

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PROFESSIONAL EXPERIENCE

April 2019 – Present
Independent Consultant: Open-Source Solutions Architect / Creative Possibilities Inc.
- Linux/Cloud/Ops/DBA/Docker and k8s training for technical and non-technical staff.
- Consult with clients about IaaS and PaaS solutions, cloud migration, culture & digital transitions.
- AWS and GCP consultation for companies shifting workloads.

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 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 playbooks. Write testing and monitoring scripts and playbooks with documentation.
- Led in adoption of APIs, automating manual work and deleting tech-debt where possible.
- Sharing DevOps values with executive team and guidance/coaching around key concepts.
- Architect, design and deploy/support/migrate large Zabbix 3.x/4.x (dev/prod).
- Lead DBA for all MariaDB infrastructures. Made all systems production-like.
- Designed implement and supported MySQL multi-*primary* replication for production (and dev)
- MariaDB backups automated/ MariaDBs integrated with a 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/sharing 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.

EDUCATION

State University of New York College at Purchase
Bachelor of Arts in Sociology, Graduated Magna Cum Laude.
SUNY-Purchase Music Conservatory:
Major in Studio production (classical and jazz composition)