

# Michael Colletti

Automation Architect

## Contact

### Address

Woodstock, NY, 12498

### Phone

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## Skills

Configuration Management

DevOps and SRE

Cloud Platforms (AWS, GCP)

Docker, Kubernetes

Infrastructure as Code

CI/CD

Observability

Cloud Engineering, APIs and SDKs

Linux, UNIX, and Windows SME

LLMOps, Prompt Engineering

Python, Jupyter Notebooks

Enterprise Architecture

Terraform

Artifactory

## Languages

Certified AWS Developer/Architect and Google Cloud Engineer with a strong background in DevOps principles and practices. Experienced in cloud and on-premises environments, Kubernetes, and Infrastructure as Code (IaC). Accustomed to Agile context and adept at collaborating across cross-functional teams. Proficient in languages, tools and technologies including Terraform, Docker, CI/CD pipelines, and Helm. Committed to operational excellence and continuous improvement, with a focus on leveraging automation and reducing technical debt and toil.

## Work History

03/2021-  
04/2024

### Cloud and DevOps Enterprise Architect

*IBM – Kyndryl, Remote @ Woodstock, NY*

- Spearheaded container capabilities research for global engineering teams
- Improved team productivity by providing technical guidance, mentoring and code and focus on IaC, Cloud and Containerization, with DevOps ethos.
- Developed methods of discovery and automation for cloud migration/modernization, providing infrastructure as code templates for multiple formats/clouds.
- Led global forums for standardizing and delivering modernized tooling and solutions, fostering DevOps practices and toolchains adoption
- Participated in professional conferences and training seminars to stay current on industry trends, ensuring sound design approaches were utilized in upcoming projects.

04/2023 -  
01/2024

### DevOps Architect | Container Engineering

*Kaiser Permanente, Woodstock, NY*

- Provided developer and engineering support, focusing on automation and IaC architecture/implementation
- Tech lead for app modernization.
- Offered DevOps coaching and mentorship, emphasizing architecture and monolith to microservice conversion patterns.

07/2019 -  
01/2021

### Cloud Architect, Container Engineer DevOps SME

*Experiment 6 (Co-Founder E6) Woodstock, NY*

- Design and implement development, testing and deployment of solution using Docker containers

## Software

Jupyter Notebooks, VSCode, Github CoPilot, Actions, Python.

07/2019 –  
09/2020

- designed to predict variance of a molecule.
- Architect test stacks of OSS Laboratory Information Management Systems (LIMS) and study toil in the scientific space and tightening feedback loops. Reduce manual steps, process flow improvement and automation for drifting out of FDA compliance
- DevEx but for scientists and researchers.

### DevOps Consultant

*Loud-Hailer, Woodstock, NY*

- Design, scaffold and deploy infrastructure that stood up a replica of existing infrastructure using AWS Terraform deployment.
- Recommendations would save 72% on existing AWS bill by just using RIs, Savings plans and native AWS services.
- Recommendations on overall-architecture and open-source monitoring for hardware and service platform.
- Consulted and remedied database challenges with reorgs, space-reclamation, performance and partitioning, and scripted manual processes for queries.

02/2015 –  
04/2019

### DevOps Enterprise Architect

*NYS ITS CTO Office, Albany & Woodstock, NY*

- Replaced costly, tech-debt laden legacy monitoring infrastructures with scalable Opensource Zabbix solution, resulting in \$1M cost savings and improved, supportable infrastructure with much less operational load.
- Certified as Zabbix Specialist and Professional and trained teams, using *each-one-teach-one* method
- Deployed Docker Swarm and containerized applications for development, providing quicker application standup, documentation and training.
- Led adoption of IaC/GitLab and automation with Ansible playbooks, emphasizing API integration
- Integrate and Automate alerting with ITSM REST API and webhooks to Slack. Meta-Monitoring solutions for *watching the watchers*
- Provided executives guidance on DevOps values and coached teams on key concepts that are cultural but vital to success.

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## Education

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## Bachelor of Arts: Sociology and Anthropology

*SUNY Purchase - Purchase, NY*

Bachelor of Arts in Sociology, State University of New York College at Purchase, Graduated magna cum laude.

- Awarded Biondi Scholarship Recipient
- TA for Advanced Critical Sociology curriculum & Masters research Symposium
- Organized Managed the first Sociology of The Arts conference for Purchase @ CUNY and The New School for Social Research

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## Accomplishments

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Save \$1M/year of vendor and support costs implementing Zabbix and MariaDB. The solution took 2 years of research, planning and implementation. Champion Automation, DevOps and Containerization with workshops that engaged clients to improve their flow.

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## Certifications

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07/2022	Google Cloud Engineer
07/2022	AWS Developer
07/2022	Terraform Cloud Engineer
02/2022	Azure Fundamentals
06/2019	AWS Solutions Architect

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## Interests and Affiliations

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I am a professional musician and early DevOpsDays performer.