

# Michael Colletti

Automation Architect

## Contact

### Address

Woodstock, NY, 12498

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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 Google Cloud Engineer and AWS Developer with a decade in DevOps principles and practices. Experienced in cloud environments (AWS/GCP), Kubernetes, and Infrastructure as Code (IaC). Skilled in monitoring and observability, collaborating across cross-functional teams. Proficient in platforms, languages, and tools, including Terraform (HashiCorp Certified Cloud Engineer), Docker, CI/CD pipelines, Helm, GenAI tools and platforms. Committed to operational excellence and continuous improvement, with a focus on leveraging automation and reducing technical debt and toil.

## Work History

2021-03 -  
2024-04

### DevOps Enterprise Architect

*Large Infrastructure Company, Remote*

- Spearheaded container capabilities research for global engineering and use-cases for Kubernetes, Service Mesh
- Improved team productivity by providing technical guidance and mentoring around DevOps, IaC, Cloud and Containerization
- 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
- Internal Tools Champion and vendor tool Skeptic
- Participated in professional conferences and training seminars to stay current on industry trends, ensuring cutting-edge design approaches were utilized in appropriate projects.

2023-04 -  
2023-12

### DevOps Architect | Container Engineering

*Large Healthcare Company, Woodstock, NY*

- Provided developer and engineering support, focusing on automation and IaC architecture/implementation
- Led infrastructure and pipelining of applications for modernization via ArgoCD GitOps using Istio, Helm, and OCP
- Offered DevOps coaching and mentorship, emphasizing architecture and monolith to microservice conversion patterns.

## Software

Jupyter Notebooks, VSCode,  
Github CoPilot, Actions,  
Python

2019-07 -  
2021-01

### **Cloud Architect, Container Engineer DevOps SME**

*E6 and Creative Possibilities, Woodstock, NY*

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

2019-07 -  
2020-09

### **DevOps Consultant**

*Loud-Hailer, Woodstock, NY*

- Design, scaffold and deploy infrastructure replacing existing infrastructure with AWS Terraform deployment.
- Recommendations saved 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 platforms.

2015-02 -  
2019-04

### **Open-Source Solutions and Enterprise Architect**

*Large NYS Agency, Woodstock, NY*

- Replaced costly, tech-debt laden legacy monitoring infrastructures with scalable Zabbix solution, resulting in significant cost savings and knowable, supportable infrastructure with much less operational load.
- Certified as Zabbix Specialist and Profession and trained teams, using *each-one-teach-one* method
- Deployed Docker Swarm and containerized applications for development, providing quicker application standup, documentation and training. Spread Docker joy
- Led adoption of IaC/GitLab and automation with Ansible playbooks, emphasizing API integration and eliminating technical debt.
- Integrate and Automate alerting with ITSM REST API and webhooks to Slack. Meta-Monitoring solutions for *watching the watchers*

- Executive DevOps coach on values and advised 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 course in Advanced Critical Sociology track & 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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## Certifications

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2023-01	Google
2022-07	AWS Developer
2022-07	Terraform Cloud Engineer
2022-02	Azure Fundamentals
2019-06	AWS Solutions Architect

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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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## Interests & Affiliations

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I am a professional musician playing for DevOpsDays Mountainview, CA (2011) and Austin, TX (2016) events.